



The
CHEMIST AND DRUGGIST
for RETAILER - WHOLESALE - MANUFACTURER

Founded 1859

28 Essex Street, Strand, London, W.C.2

Registered as a Newspaper

339
EXLI

FEBRUARY 5, 1944

Annual Subscription (with
Diary) 25/- Single Copies 9d.

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MALTOSE**

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the firm's endeavours
to secure, on the . . .
basis of their customers'
1939 orders, a fair . . .
distribution of . . .
their own officially
restricted stocks . . .



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It's advertised as a Chemist's Line

Elasto

REGISTERED

The Wonder Tablet

Read What Users of 'Elasto' Say:—

Original letters have been seen by a representative of "The Chemist and Druggist")

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I, a sufferer of varicose veins, I must state before using 'Elasto' I was tortured with red and aching legs. After taking a month's supply of 'Elasto' I remark with emphasis that feeling of tiredness and aching has vanished. All sufferers of varicose veins I certainly recommend 'Elasto'—they are a boon.

AT 1180.

— R. P.

mediate relief, and, although I was relieved of the pains and inconvenience, I have never ceased to take them regularly, as I have found them to act as a tonic as well, giving me energy that I previously lacked. I have recommended them to many others since.

AT 1108.

— F. T.

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"I have great pleasure in writing to say my legs are quite better and I cannot praise your 'Elasto' enough. I had suffered agonies with varicose ulcers; in fact I thought I should never get them better, but, thanks to 'Elasto,' my legs are completely cured."

AH 1263.

— E. H.

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may say that I have found 'Elasto' a wonder-help. For years I suffered with rheumatism in my feet and legs, and at times found it difficult to get about. 'Elasto,' however, afforded me im-

These generous acknowledgements are an indication of the solid goodwill behind Elasto. Thousands of users, all over the country, are daily telling their friends of similar experiences with this fine remedy.

Recommend 'Elasto'—and a satisfied customer will recommend You!

A SOUND LINE
A GENEROUS PROFIT

Retail Price 5/- per pkt.
* Including purchase tax.

Wholesale 42/- per doz.
* Including purchase tax.

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PATA

The NEW ERA TREATMENT CO., LTD.

DEPT. R

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there's plenty

The Ministry of Food's official issue of cod liver oil wisely ensures priority supplies for children under five and for mothers. But older children and adults also need cod liver oil because of its great value in maintaining healthy resistance to infection and epidemics.

SevenSeaS pure cod liver oil is now in good supply and there is no need for its use to be restricted to mothers and young children.

Therefore we appeal to the Medical, Nursing and Pharmaceutical professions to help in informing the public of this satisfactory state of affairs. The normal professional and commercial services of the country are in a position to cater for those whose needs are as yet outside the scope of official activities.

For our part, we are devoting our restricted advertising space to this purpose. Our advertisements explain the particular importance of cod liver oil in wartime ; its value to growth in children and the maintenance of reserves of nervous-strength in adults. They emphasize the good supply position and urge the taking of SevenSeaS as a daily ration supplement to make good the present lack of fats.

Issued by

BRITISH COD LIVER OIL PRODUCERS (HULL) LTD
ST. ANDREW'S DOCK, HULL.

Makers of

SevenSeaS

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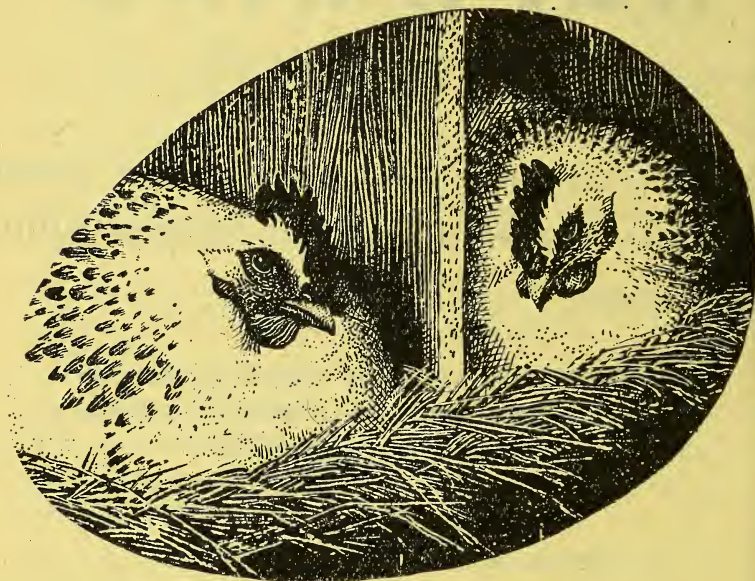
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HOME MEDICAL DEPARTMENT, SPEKE, LIVERPOOL 19



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 INCLUSIVE OF PURCHASE TAX

Winchester Quarts are no longer available

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after 32 years of
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'SUPER SHAVE' for 'Super' Sales

and for the
perfect BRUSHLESS
shave with
after-shaving
freshness!



RETAILS AT
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Are highly concentrated with the true odour of the natural flower making them the purest, best and most economical on the market.

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An ultra modern product in step with the present vogue.

Send for price list (1d.) and samples—

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Complexion Powder & Lipstick

6 shades packed in colourful boxes and powder-proof bags. RACHELLE, NATURAL, PEACH, OCHRE-ROSE, ROSETAN, CREOLE. Your Orders for this Nationally Advertised Complexion Powder can be executed promptly.

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We have still sufficient stocks of Clynol Berries to last with care for some time to come without any formal rationing of orders.

Prices: WHOLESALE, 32/- per dozen, plus 5/4 tax; RETAIL, 4/5½d.
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FRAGRANT TONIC HAIR CREAM
—MAKES THE HAIR BEHAVE.

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DELICATELY PERFUMED.

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4. Order Form for Smart Bottles and Jars.

ALL FOR 6/-

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OXO LABORATORY PREPARATIONS

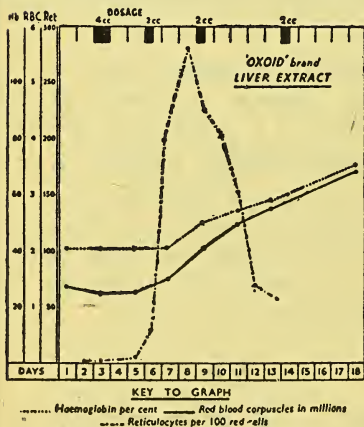
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—the remedy for Rheumatism and kindred troubles

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A good line
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Established 30 years
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Our experiments to solve the problem of combining acid (aspirin) and alkali (soda bic) in a stable form first commenced in 1936, and Neodex Seltzer as now offered to the chemist is the direct result of our researches since that date.

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Acidum Acetylsalicylicum	10
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Sodii Bicarbonas	to 100

Neodex Seltzer is stable, and the effervescent solution it produces is palatable, clear and practically without sediment.

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PATA

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Also Unguentum Anhydric and Unguentum Aquosum. Base for ointments, 6th Addendum, B.P.

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Demand established last season. Heavy advertising booked in women's press for this year.

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remedy to
equal it!*



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PRICES:

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(exclusive of purchase tax)

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B



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Pills

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NATIONAL WAR FORMULARY, AMENDMENT
No. 2 (JANUARY 1943)

Each capsule is equivalent in Vitamin A content to 4,500 units of Vitamin A and 450 units of Vitamin D in 3 minims of an oily medium.

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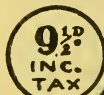
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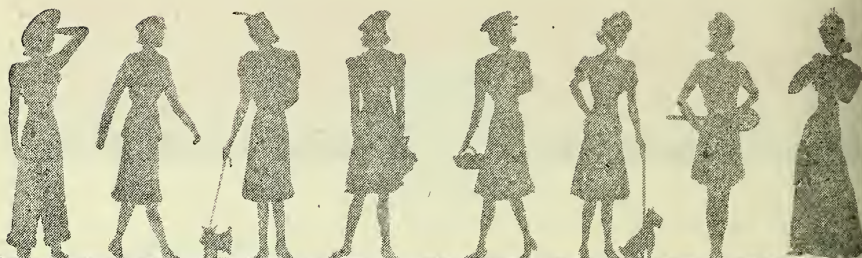
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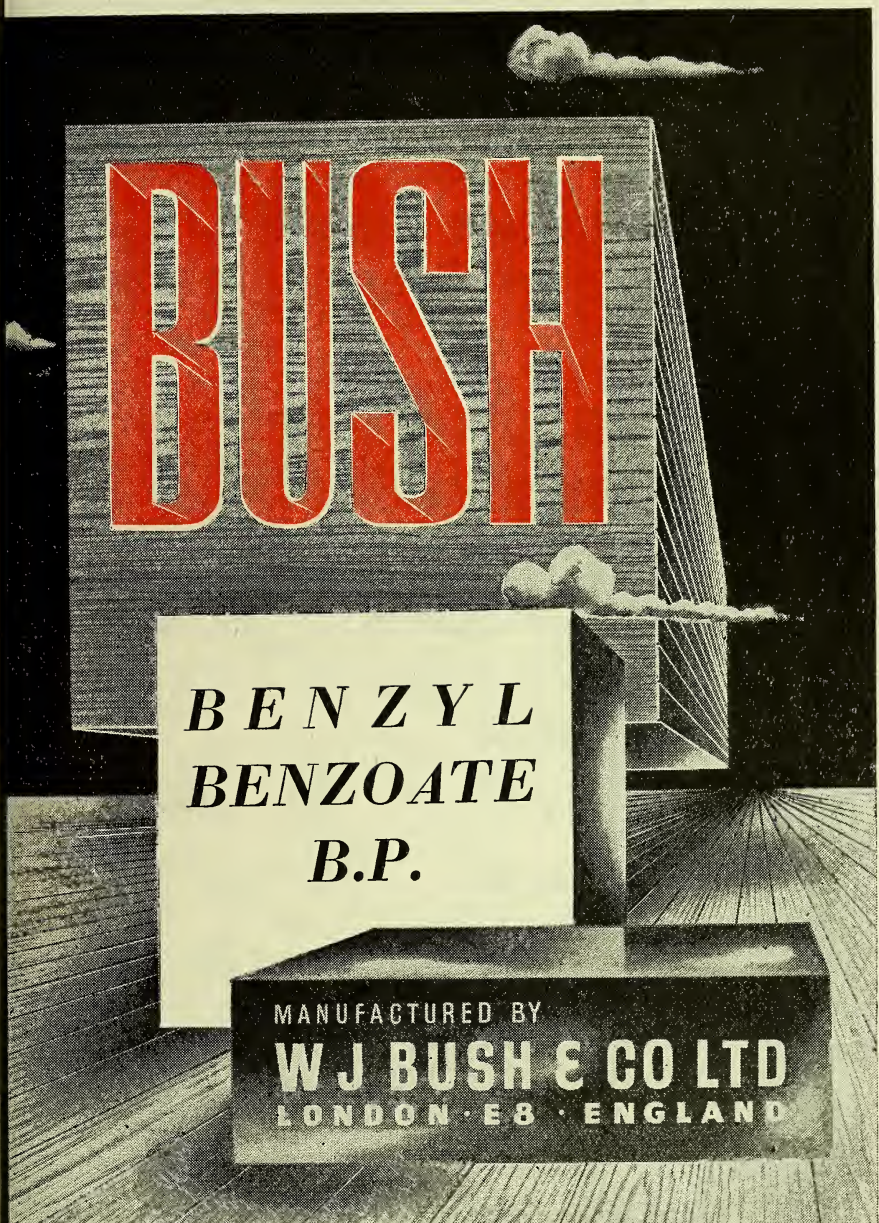
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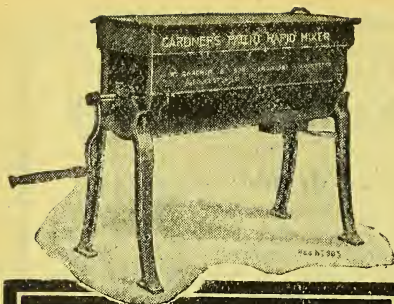
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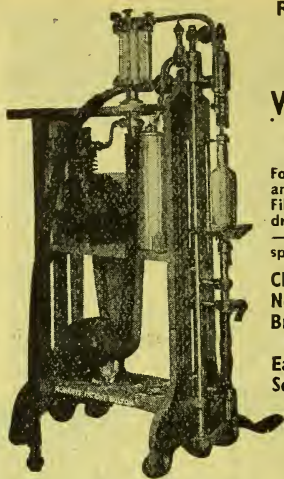
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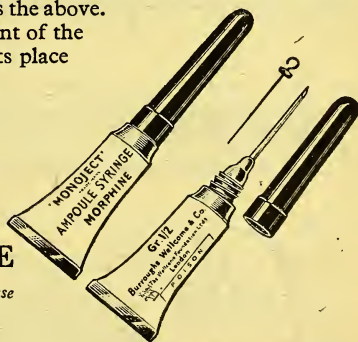
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NEWS OF THE WEEK

Greenwich Observatory.—The King is being asked to sanction the removal of the Royal Observatory from Greenwich owing to atmospheric difficulties.

D. Authorities Restored.—The Home Secretary on January 31 authorised the restoration to Arthur James Daly, M.R.C.S., B.C.P., and Oswald White their authorities under the Dangerous Drugs Act, 1920.

Supplies of Photographic Goods.—Under the Limitation of Supplies (Miscellaneous) (No. 22) Order, 1944, dated January 24, 1944, the Board of Trade has increased the quota of photographic goods to 12½ per cent. The increase came into operation on February 1.

Retail Standards Association.—At a meeting of the council of management of the Retail Trading Standards Association, held in London recently, Mr. Ronald Schofield was elected *Chairman*, Mr. D. Grant, *vice-chairman*, and Mr. M. G. Baguley, *secretary*.

News Available.—Our representative attended the public session of the monthly

meeting of the Council of the Pharmaceutical Society of Great Britain, held in London on Wednesday, February 2. The only business of interest was transacted "in committee." A report of the formal business of the public session will be published in next week's issue.

Review of Taxation Wanted.—The Association of British Chambers of Commerce, through its president, has sent a letter to the Chancellor of the Exchequer suggesting that the time has come for a review by a public tribunal of "the whole question of taxation." The plea is made that the broad outlines of proposed taxation policy in the Budget each year should be disclosed beforehand to taxpayers, to enable them to formulate plans for sharing in the common effort of rehabilitation, and to prepare their own financial policy.

Joint Industrial Council.—A meeting of the National Joint Industrial Council for Retail Pharmacy was held in London on January 26. The independent president (Sir John Forster) outlined from the chair

the manner in which Industrial Council affairs are conducted. A document was submitted by the trade union members setting out proposals for wages and working conditions in retail pharmacy, as a basis for negotiating an agreement to be implemented by the Council on these matters. The proposals were amplified and explained in a statement by the secretary and leader of the trade union members. After the employers' views had been put forward, further consideration was deferred until the next meeting. The Council decided to make representations to the Board of Trade to secure the inclusion of retail pharmacists and retail pharmaceutical personnel within the scope of the supplementary clothing-coupon issue. It was agreed that representatives of the Council should take part in discussions at present proceeding between the representatives of other similar councils on the possibility of legal enforcement of joint industrial council decisions.

Inquests.—A verdict of suicide whilst the balance of her mind was disturbed was returned at an inquest in Birmingham recently on Brenda May Baker, who died on January 18 from phosphorus poisoning.

Teignmouth Vitamin Distribution.—The local Food Committee reports that during 1943 it distributed in its area 3,038 bottles of orange juice, 446 bottles of black currant juice, 372 bottles of cod liver oil, 72 packets of cod-liver-oil capsules, and 1,148 tins of dried milk for infants.

Bath Chemists' Rota.—Many Bath chemists are co-operating in a rota for the period 6 to 7 p.m. on weekdays. An announcement advising the public of the operation of this rota includes also the names of chemists who remain open during this period on every evening of the week.

Record Rose-hip Harvest.—The greatest quantity of rose hips ever harvested in one year was collected from the hedgerows of England and Wales in 1943. The amount was 500 tons, equivalent in vitamin C content to 25,000,000 oranges; the estimated product is two-and-a-half million bottles of rose-hip syrup.

Mutual Assistance Pact.—Blackburn Chamber of Trade has now completed a members' mutual assistance pact, which has been submitted to the Board of Trade for approval. The pact is designed to salvage as much saleable material as possible following a blitz. Mr. J. Gillett, M.P.S., Bank Top, has been selected as one of the specially appointed captains to take

charge in case of emergency. Empty premises and transport have been earmarked for instant use in the event of the necessity arising.

Doctor Addresses Hull Chemists.—"Therapeutics" was the subject of an address given to members of the Hull Chemists' Association and Branch of the Pharmaceutical Society by Dr. G. B. Drummond, L.R.C.S. (L.R.C.S., L.R.F.P.S., recently. Thanks, Dr. Drummond were voiced by MESSRS. BROWN and SPILMAN. Mr. K. Clappiss occupied the chair.

Not a Prizewinner.—In a report of Benevolent Fund dance held in Dublin published in a recent issue, it was stated that the winning ticket for the Christmas hamper was drawn by Mrs. Cremen, wife of the president of the Pharmaceutical Society. Mrs. Cremen presided over the draw, and drew the tickets from the drum, but, of course, did not win any prize.

Arrowroot Controlled.—Arrowroot has been added to the commodities for which a licence to sell by wholesale is required under the Food (Restriction and Dealings) Order, 1943. Wholesalers licensed under the Order to sell cornflour may sell arrowroot without holding an additional licence for the purpose. Similarly, any trader licensed to prepack cornflour may prepack and sell arrowroot. Any wholesaler regularly trading in arrowroot who is not licensed to sell cornflour should make application for licence in the first instance to the chairman of the Area Provision and Grocery Advisory Committee (address from any Food Office).

Manchester Public Pharmacists.—A meeting of the Manchester Branch of the Guild of Public Pharmacists was held in Manchester on January 18, Mr. J. Lawton (chairman of the branch) presiding. Mr. W. E. PHILLIPSON (secretary), who has recently been nominated as the Guild candidate in the forthcoming Council election, made brief reference to the Council's educational policy, and said his own aim in this direction would be to bring about a better understanding of chemistry in medical treatment by raising the standard of pharmaceutical education. MR. GARTSIDE then introduced a technical film on "Research," and declared that there was a great future for pharmacists in the field.

In the Courts.—In Ayr Sheriff court January 12 James Maxwell Dickson, M.P. 125 Dalrymple Street, Girvan, was charged with using 1,000 points vouchers, which

warded to the Food Executive Officer Ayr with a request that they should be added to his credit, when in fact they had been issued to him. It was stated that coupons had been issued to accused's mother-in-law, a grocer in Kirkmichael. A fine of £30 was imposed, with the option of three months in prison.—Charges of selling monia in a bottle not properly labelled, caught at Blackpool on January 14 against Link and Sydney Warburton, Backshalton Road, were dismissed under the Bationer of Offenders' Act, subject to payment of 35s. costs.

Sex Hormone Film.—The Guild of Public Pharmacists met in London on January 27 to view a sound film on "The Sex Hormones: Physiology, Diagnosis and Treatment." An introductory chat was given by DR. STANLEY WHITE, and the lecture theatre was filled to overflowing. Dr. White afterwards answered questions. A vote of thanks was proposed by MR. F. B. KAYAL (a member of the Guild council) and seconded by MR. R. H. HENRIKSEN (vice-president).

Pharmacy Examination Results.—The following candidates passed the January Assistants' Examination held by the Pharmaceutical Society of Ireland: Mary, J. Higgins, Michael Leahy, Rosemary Leavy, Josephine Moan, Bridget K. Moore, Aileen Macdonnon, Nora O'Connell, Bridget O'Donovan, Daniel F. O'Dwyer, Patrick O'Leary, Mary C. Galley, Richard J. Power, Mary A. Vash. Twenty-four candidates presented themselves. Mr. Alexander G. Wilson, the only candidate in the Registered Druggist Examination, was successful.

Stuffed Greyhounds.—At Clerkenwell Police Court on January 8, William John Spicer and Charles Arthur Wells were re-arrested on charges of conspiring to defraud by selling racegoers by administering drugs to certain greyhounds. Spicer was stated to have told a kennel-boy, in September 1938, that it would be to his advantage if the dogs did not run to form, and that it would be his job to administer certain drugs. The boy, in evidence, stated that on October 13 he and two other boys had to open the mouth of a greyhound and inserted a gelignite capsule.

Conditions in Scotland.—A correspondent writes: "The demand for medicines continues unabated and prescriptions show a steady increase. There is some difficulty at times in securing supplies of drugs from manufacturers, and this is particularly the

case with branded articles, necessitating much explanation to customers. Medical men, too, do not all appreciate the difficulties the pharmacist has to contend with and the inevitable delays. The 'art of dispensing' has become somewhat fogged with deletions, dilutions, additions, and addenda, and the results are in the interests of neither patient nor pharmacist."

Eire Wages Tribunal.—The Eire Wages Advisory Tribunal, meeting in Dublin on January 24, considered an application by the Irish Transport and General Workers' Union, acting for 360 workers in the wholesale drug trade in Dublin, for an additional bonus of 6s., bringing the maximum bonus to 11s. weekly. The workers' case was that the cost of living had increased to 294 points, which meant that 34s. was required to purchase goods purchased for £1 in 1939. Mr. R. A. Kidney, for the wholesale section of the Irish Drug Association, said that the main source of supplies for the drug trade was Great Britain; during the past year there had been a growing tendency to cut off some supplies and greatly restrict others. Their absence reduced work in the laboratories. Granting of the present application would mean an increase in the cost of certain drugs and commodities. The Tribunal is to report to the Minister for Industry and Commerce.

Irish Drug Association Officers.—At a committee meeting following the annual meeting of the Irish Drug Association recently (see *C. & D.*, January 29, p. 123), Mr. F. X. Meagher (outgoing president) proposed Mr. Lyall Smith (vice-president) for the office of *President* during the coming year. Mr. Smith's father (Mr. John Smith) had had, he said, thirty-five years of honourable association with the Association, of which he had been president in 1918-19, and again for three successive periods from 1924 to 1927. They on the committee knew that Mr. Lyall Smith had earned that honour on his own account, not alone for his assiduity as a member of the committee, but for his splendid work as secretary of the Irish branch and council member for Ireland on the Photographic Dealers' Association. MR. McLEAN LEE seconded the motion, which was carried with acclamation, and MR. SMITH then took the chair; he thanked Mr. Meagher and the committee for the honour conferred on him. On the motion of the new president, seconded by MR. P. F. McGRATH, Mr. Gerald C. O'Neill was unanimously elected *Vice-president*.

LEGAL REPORTS

Sales of Saccharin Tablets.—At Old Street, London, police court, recently, Bewells, Ltd., 19 Pitfield Street, Shore-ditch, were fined £7, with £3 3s. costs, for selling, through an employee, standard saccharin tablets otherwise than in packets labelled with the constituents of each tablet. The employee, William Blakey, was fined 20s. on a similar summons, and 40s., with £2 2s. costs, for selling saccharin tablets in packets containing less than 100. Following receipt of a letter alleging that saccharins were being sold in less quantities than 100, an agent was sent to the company's shop in Bethnal Green Road to buy a packet. The enforcement officer later made a further purchase. In the first packet there were only ninety-three tablets, and in the second ninety. Blakey explained that they counted a hundred and a girl weighed the rest against them. The magistrate said that anything in the nature of short numbers or short weight must be stopped at once.

Talc Sold from Stall.—At Old Street, London, police court, on January 22, Joseph George Edwards, street trader, 8 Pembury Grove, Clapton, was fined £5, and ordered to pay £5 5s. costs, for selling, from a stall outside 322 Bethnal Green Road, boric talc powder containing ingredients other than those specified in the British Pharmaceutical Codex. Prosecuting solicitor said boric talc should contain 10 per cent. boric acid and 90 per cent. purified talc. On December 7, 1943, a sampling officer purchased three cartons of the powder from defendant's stall. Analysis showed the powder to contain 9.9 per cent. boric acid, 13.6 per cent. calcium carbonate, 18 per cent. magnesium carbonate and 58 per cent. purified talc. An informal sample taken on an earlier occasion was "even worse" than the sample described. Defending solicitor said that accused sold the boxes of powder as he received them. The explanation of the manufacturers, who said they had been trading fifty years without complaint, was that since the war they had been having difficulty about staff and that the commodities must have been carelessly mixed by the compounder. They had taken steps to call in all powder supplied within the period covered, and stated that as the powder contained more expensive material than it need have done they had lost on the transaction. The manufacturers are understood to be paying the fine and costs.

Contract for Tooth-paste Manufacture. In the King's Bench Division, London, February 1, Mr. Justice Tucker gave judgment in an action in which Camden Chemical Co., Ltd., Northington House, London W.C., sued Shavex Zee-Kol Co., Ltd., Bavaria Road, Holloway, N.1, claiming £954, balance of a sum alleged to be due in respect of a tooth-paste sold and delivered. Shavex Zee-Kol Co., Ltd., contended that, by the terms of the contract between them and the plaintiffs, the tooth-paste (known as Toothol) was to be manufactured to a formula which should make perfect tooth-paste; it was to be of merchantable quality, and up to sample. In breach of this contract, they contended, proportion of the paste supplied had been defective; this was deemed sufficient to extinguish liability for payment of the sum claimed. Mr. Justice Tucker said he was satisfied that, when the question of the plaintiffs manufacturing Toothol for the defendants was originally discussed, it had been pointed out, on behalf of the Camden Chemical Co., that, though they could manufacture according to a formula which would produce a reasonable tooth-paste, there was a difficulty, owing to the necessary use of glycerin substitute instead of glycerin, about the keeping qualities of the paste. Accordingly, it should not be kept in stock for too long a period. Evidence had been given that tubes of Toothol had been returned by a firm of retailers, but there had been no testimony to show how long the goods had been in the possession of the retailers. A scientific witness had expressed the view that the condition of certain tubes examined by him had existed since the time of delivery. Against that, a scientific witness for the plaintiffs had stated that the condition of tubes he had seen was what he would expect have regard, among other circumstances, to the length of time which had elapsed and the use of glycerin substitute.

The judge said in his view the defendants had entirely failed to prove breach of contract. There was, however, an admission by the plaintiffs as to a small quantity of the tooth-paste not in a satisfactory condition which they had seen on the defendants' premises, and which they had offered to replace. For this quantity would allow £5 off plaintiffs' claim. Judgment was accordingly entered for Camden Chemical Co., Ltd., for £949, with costs against the defendants.

TOPICAL REFLECTIONS

Food Standards

The Orders of the Minister of Food mentioned in your editorial article on 11/9 are of importance to manufacturing and retail chemists who supply any of the substances named. The Orders are made, you point out, in pursuance of the Defence (Sale of Food) Regulations, 1943. The one most likely to attract general attention lays down standards for two uses of baking powder, a substance still, I believe, on a small scale by numerous people, as well as on a large scale by a few. It is reassuring to find that the requirement for available carbon dioxide has been fixed impractically high. In your issue of December 20, 1924, you gave two formulas for baking powders yielding 10 per cent. of carbon dioxide, that is to say, 10 per cent. above the new official minimum. Of six formulas for this commodity that appear on one page of a well-known *C. & D.* book of reference are calculated to reach a standard of 10 per cent. or one slightly higher. Makers of first-class baking powders would not need to revise their formulas. Looking back over half a century or so, I am able to remember that cheap baking powders containing high percentages of flour or some other diluent were at one time on sale: it may be hoped that this is no longer the case.

Baking Powder and Mustard

An analytical standard for baking powder based on (a) available and (b) residual carbon dioxide seems as fair as can be devised in our present state of knowledge, having regard to the variety of substances used for neutralising the sodium bicarbonate in the powder. In an old edition of "Pharmaceutical Formulas" (1905) it was mentioned that alum was then extensively used in Canada and the United States as an ingredient in baking powder, though magistrates in this country had penalised vendors of similar powders. The alum, it was pointed out, becomes aluminium hydrate in the process of baking, so the physiological action of alum is ruled out. Even so, it is questionable whether, so long as pharmacologists cannot agree about the possibilities following the ingestion of small amounts of aluminium salts, the use of alum in baking powders should be allowed. The next article on the Minister's new list, mustard, has a secondary interest arising from its former position among the stock-in-trade of a chemist and druggist. Two

references to this condiment I have never elucidated. One is the occurrence of "Durham mustard" in a handbill circulated over a series of years by a Victorian firm of chemists; the other is Falstaff's remark in Part II of "King Henry the Fourth": "His wit's as thick as Tewkesbury mustard." In the allusion to Durham, the intention, no doubt, was to confer a stamp of superiority on the product, though I have no exact knowledge either of Durham as a centre of mustard manufacture or of the date when this designation was discontinued. But what was the commercial point of the crassitude at Tewkesbury? Probably the mustard was sold, as French mustard is (or till 1939 was), in containers ready for use; was it supposed to be stronger (as our Ministry of Food would say) in the potential yield of allyl isothiocyanate than competing articles? Falstaff's point was, of course, plain enough.

Pulvis Cretæ Aromaticus

The query about pulvis cretæ aromaticus on p. 125 is likely to attract the notice of pharmacists of the older generation, as several of them have lived in mortal fear lest an assistant, when not under rigid supervision, should dispense pulvis aromaticus in error for this powder. The compilers of recent British Pharmacopœias reduced the risk to some extent by naming the second powder pulvis cinnamomi compositus, but unfortunately the shorter title was retained as a synonym. Without attempting to trace these official formulas back step by step, it may be pointed out that neither the London Pharmacopœia of 1746 nor the Edinburgh Pharmacopœia of 1736 had an aromatic powder of chalk. Each, however, had an aromatic powder. That of the P.L. (species aromaticæ) consisted of cinnamon, cardamom, ginger and long pepper; that of the P. Ed. (pulvis diaromaton) of canella, cardamom, mace and ginger. We ought not to forget that pulvis cretæ aromaticus is all that remains of the "great cordiall" of Sir Walter Raleigh, an electuary so elaborate that your issue of August 16, 1924, and "Chronicles of Pharmacy" may both be consulted for a due appreciation of its magnificence. The holograph recipe of Sir William Killigrew, dated March 19, 1659-60, and derived from his father, may be accepted as the most authentic version. Correctly prepared, it must have driven a good deal from the purse of the patient.

Xrayer

COMPANY NEWS

FLUORESA, LTD. (P.C.).—Capital £65. Manufacturers of and dealers in chemicals, etc. Albert K. Balch, 2 Baron Road, Penarth, director. R.O.: 23 High Street, Cardiff.

RITA STUART COSMETICS, LTD. (P.C.).—Capital £1,500. Manufacturers of and dealers in chemical products, cosmetics, etc. Directors to be appointed. Solicitors: Tarlo Lyons & Co., London, W.1.

H. BERGMAN & SON, LTD. (P.C.).—Capital £100. Objects: Manufacturers of and dealers in razors, blades, perfumes, cosmetics, etc. Directors not named. R.O.: 22 Charing Cross Road, London, W.C.2.

RANCOL CO., LTD. (P.C.).—Registered in Belfast. Capital £100. Manufacturers of and dealers in pharmaceutical and medical preparations. John G. Kennedy, Ph.C., and Mrs. Martha D. Kennedy, directors. R.O.: 41 Donegall Place, Belfast.

PENNINE LABORATORIES, LTD. (P.C.).—Capital £500. Laboratory proprietors, manufacturers of and dealers in scientific equipment, proprietary articles, etc. Leonard Heys, managing director. R.O.: 10 Edward Street, Blackpool.

ACRYLUCENT TOOTH MANUFACTURING CO., LTD. (P.C.).—Capital £5,000. Manufacturers and repairers of dental materials, manufacturing chemists, etc. Walter Clegg, Pendennis, Preston New Road, Salmesbury, Blackburn, director.

HARRY J. R. MAYRS & CO., LTD. (P.C.).—Registered in Belfast. Capital £10,000. Chemists, druggists, manufacturers of and dealers in pharmaceutical preparations, etc. Robert Mayrs and Henry J. R. Mairs, directors. R.O.: Riddels Buildings, Donegall Place, Belfast.

JAMES M. CHERRY, LTD. (P.C.).—Registered in Belfast. Capital £400. To acquire the business of a chemist carried on by Margaret Cherry at 24 Frances Street, Newtownards, co. Down. Mrs. Margaret, James M., and Jane McCully Cherry, directors.

VOLUNTARY LIQUIDATION.—Meetings of members and creditors of Home Remedies, Ltd., will be held at Aldwych House, Aldwych, London, W.C.2, at 11.30 a.m. and 12 noon on February 21 to learn how the winding-up of the company has been conducted.

PARLIAMENTARY NEWS

Catarrhal Jaundice.—In reply to a question on the incidence of catarrhal jaundice the Minister of Health (Mr. Willink) stated on January 27 that the disease was not generally notifiable, although, for research purposes, it had been made notifiable in certain eastern countries. It had latterly become prevalent throughout Europe and in North Africa, as well as in this country. Its causes had not been established, and at his request the Medical Research Council was at present making a special investigation of the disease.

Doctors in the Army.—Major C. S. Taylor asked the Secretary of State for War on January 25 how many members of the medical profession were employed in administrative posts in the Army or on other duties which did not involve the use of their medical skill. Sir J. Grigg, in reply, said that in view of the general shortage of doctors a detailed investigation had been made of Army medical establishments at home and abroad. Wherever possible officers without medical qualifications had replaced qualified medical officers employed on administrative duties, even in positions where professional medical knowledge though not essential, was very useful.

No Preferential Treatment for Large Traders.—Mr. Butcher asked the Minister of Labour on January 27 why owners of small businesses were called for National Service and compelled to cease to trade although large firms had several thousand full-time employees. Mr. Bevin, in reply, said that under the arrangements for the withdrawal of men and women from the retail distributive trades no preferential treatment was given to large firms. A person, including the working owner of a business, who was due to be withdrawn under these arrangements, could apply for his case to be considered on grounds of exceptional business hardship. If there had been any complaint at all, it had rather been of the favouritism shown towards small businesses.

Dehydrated Lemons in Sheets.—Experiments now being made in Palestine which, if successful, will enable manufacturers of citrus fruit products to buy lemons as oranges in dehydrated sheets, were referred to by a Ministry of Food official on January 27. The official stated that the experiments were not being carried out by the Ministry nor would it import any citrus fruits in this form.

TRADE NOTES

Six-day Tonic.—It is understood that cystone tablets, referred to in our issue of January 22 (p. 90), are not yet on the chemists' Friends' list.

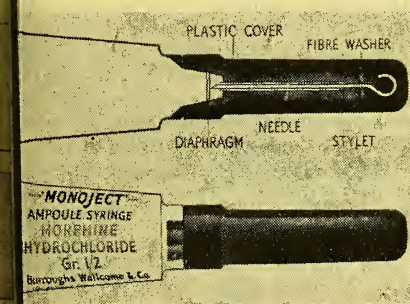
Transparent Packings.—Pakcel, Ltd., Favor Lane, Hammersmith, London, W.6, invite inquiries for transparent bags and tappers, sealing tapes, etc.

National Association of Opticians.—The current subscription to the Association is 2s., and not as stated in the Association's advertisement in the *C. & D. Diary and Year Book*, 1944.

Price List.—A list of the medicinal specialities of British Schering, Ltd., 185—High Holborn, London, W.C.1, is now available to chemists on receipt by the makers of a request accompanied by a penny stamp.

Indications for Hepamino.—Evans Sons & Webb, Ltd., Speke, Liverpool, 19, announce that, in order to comply with special regulations, the indications for Hepamino proteolysed liver preparation should read: "The oral treatment of perious and other megalocytic anæmias" (also p. 148), and not as previously stated.

Amoule Injector.—The Monoject ampoule syringe (as illustrated) is a unit injection device that has been developed by Burroughs Wellcome & Co., 183—93 Tottenham Road, London, N.W.1, to meet



the needs of the armed Forces. It presents a single parenteral dose of sterile solution of morphine or other drug, sealed in a collapsible tube with welded closure and a sterile hypodermic needle mounted in the nozzle. The needle is protected from damage and contamination by a plastic cap threaded and sealed on to the nozzle of the tube.

Removing the cap and piercing the internal seal with a pin provided renders the syringe ready for immediate use. The entire output of Monoject products is at present being reserved for the needs of the Forces; it is hoped to meet civilian requirements in the near future.

Business Changes

ZONEX, LTD.—By a special resolution dated January 7, and with the approval of the Board of Trade, the name of Nazone, Ltd., Zonex Works, 123 Talbot Road, Blackpool, has been changed to Zonex, Ltd. The company will continue in business as optical and scientific-instrument manufacturers, lens moulders, etc.

Proprietary Articles Trade Association

Additions to Protected List.—*Cannon Rubber Manufacturers, Ltd.*, Modern feeding-bottle teat, 5½d., 42s. gross (exempt from tax).

Parke, Davis & Co., corrected notice: Gluco-Fedrin with Phemeride, 1 oz., 24s. doz., tax 4s. doz., inclusive retail price 3s. 4d. Prices in Eire: 1 oz., 3s. 3d., 25s. 11d. doz.

Alterations.—*R. J. Reuter Co., Ltd.*, 4711 preparations: Nos. 6301 and 6305 talcum powders have been replaced by a war-time pack: No. 9305 superfine talcum powder, 19s. 6d. doz., tax 19s. doz., i.r.p. 3s. 9d.; No. 9301 Ascot talcum powder, 23s. 3d. doz., tax 22s. 8d. doz., i.r.p. 4s. 6d. Sir shaving-cream, No. 4769, in wide-mouth bottles, has been replaced by No. 4760, squat screw-cap jars, 12s. 9d. doz., tax 4s. 2d. doz., i.r.p. 1s. 9d.

A. Wander, Ltd., increased prices, January 29: Ovaltine; 1s. 4d., 12s. 10d. doz.; 2s. 4d., 22s. 7d. doz.; 4s., 38s. 9d. doz. (exempt from tax).

Deletions.—*British Cod Liver Oil Producers (Hull), Ltd.*, Seven Seas brand cod-liver oil, 4-oz. standard.

Parke, Davis & Co., Cod-liver oil, standardised, Eubrol.

Pinaud, Ltd., Hair lotions; eau de Cologne; eau de Cologne au Chypre; eau de Lavande; Opera and Brise de Mai perfumes.

Postal Packets for Ireland.—Senders of packets and parcels containing publications, newspapers, magazines, books, etc., or any goods or commodities to addresses in Eire, and to civilian addresses in Northern Ireland, must obtain a censorship permit before the packet or parcel is posted. Items tendered without a special address label affixed will be refused. Applications for permits should be made to the Censor-in-Charge, Permit Branch, Postal and Telegraph Censorship Department, Aintree, Liverpool, 9.

DEATHS

BENNETT.—On January 21, Mr. Sampson Taylor Bennett, M.P.S., 7 The Crossway, Maybank, Newcastle-under-Lyme, Staffs, aged sixty-two.

BLACK.—Recently, Mr. William Reynolds Black, Ph.C., 27 Horse Fair, Birmingham, 1. Mr. Black qualified as a chemist and druggist in 1896, and passed the Major examination two years later.

BORTHWICK.—At Honiton, Devon, recently, Mr. George Borthwick, M.P.S. From 1901 to 1937 Mr. Borthwick was apothecary at the Royal Infirmary, Glasgow. He qualified in 1899.

CHATTAWAY.—At Torquay, on January 26, Mr. F. D. Chattaway, D.Sc., Ph.D., F.R.S., aged eighty-three. Dr. Chattaway was the author of articles on a wide range of subjects connected with his work in organic chemistry, particularly on the elucidation of organic reactions. He was on more than one occasion a vice-president of the Institute of Chemistry.

FARMER.—At Exmouth, on January 26, Sir John Farmer, D.Sc., F.R.S., Professor Emeritus of Botany, and formerly Director of the Biological Laboratories, Imperial College of Science and Technology, South Kensington, London, S.W. Professor Farmer took a major part in the resuscitation of the Chelsea physic garden from the neglect into which it fell in the late Victorian era, and became one of the original governors of the Imperial College of Science. In 1907 he was appointed a member of the advisory council of the committee on scientific and industrial research under the Privy Council, and in this capacity he organised the Forest Products Research Board, of which he was the first chairman and director.

HOLLINGSWORTH.—On January 21, Mr. Arthur Hollingsworth, M.P.S., 26 Market Street, Newcastle-on-Tyne, aged sixty-one.

LOHOAR.—At 33 Portland Road, Hamilton, Lanarks, on January 25, Mrs. Betty Guthrie Lohoar, wife of Mr. James Lohoar, M.P.S., J.P.

MOUNTAIN.—At Sheep Street, Bicester, recently, Mrs. Florence Edith Mountain, widow of the late Mr. J. T. Mountain, Ph.C., aged eighty.

THOMAS.—On January 17, Mr. Cyril Goodwin Thomas, M.P.S., 20 Aubrey Avenue, Cardiff, aged forty-eight.

PERSONALITIES

MR. GEORGE J. HIRESON, who served Howards & Sons, Ltd., Ilford, for fifty-eight years, attended seventy annual dinners of the company's cricket and sports club, and often as a boy talked with Lu Howard, F.R.S. (founder of the firm 1797), celebrated his ninetieth birthday February 2.

MR. DAVID BROWNLIE, B.Sc., has published a booklet entitled "The Case for the Abolition of Compulsory Mathematics University Matriculation Examinations." Mr. Brownlie states that the great majority of candidates for matriculation examinations have no aptitude in the subject of mathematics, with the result that thousands of valuable potential university graduates who would be of great value to the nation are lost every year. The author is a contributor to THE CHEMIST AND DRUGGIST.

WILLS

MR. JOHN DAVIES, M.P.S., 119 Rait Road, Herne Hill, London, S.E., left £25,586, with net personality £23,882.

MR. JOHN HENRY THOMPSON, Axbridge, Howard Road, Newbury, Berks, retired chemist, left £5,890, with net personality £1,074.

MR. CHRISTOPHER GEORGE SAUNDER, Hartford (a managing director of I.C. (Alkali), Ltd.), left £35,435, with net personality £32,864.

MR. FREDERICK GEORGE LING, M.P., Hill View, Burbage, Marlborough, Wiltshire, formerly of Hackney Road, London, E, left £3,366, with net personality £2,483.

MR. WILLIAM JOHN WADE, M.P.S., Oldcastle, co. Meath, who was in business as a pharmacist and publican, left personal estate in England valued at £2,682.

MR. BENJAMIN RICHARDSON, The Double House, College Lane, Hurstpierpoint, Sussex (chairman of Thomas Christy & Co. Ltd.) left £4,801, with net personality £4,600.

MR. MAURICE GEORGE WARBURY, G.A. CIA, Wexham Place, Stoke Poges, Bucks (chairman and managing director of Aspic Ltd.), left £216,242, with net personality £142,840.

MR. JAMES LEVER FERGUSON, White Hill, Trearddur Bay, Anglesey (formerly managing director of Lever Bros., Ltd., managing director of Planters Food, Ltd., a director of the Vinolia Co., Ltd., and other companies) left £44,010.

I.C.I. WAR RECORD REVIEWED

MAKING at the Glasgow Chamber of Commerce on February 1, Lord McGowan, Chairman, Imperial Chemical Industries, raised the veil on I.C.I.'s war effort. He regretted he still could not tell more than a small part of the company's manifold activities, and he was only persuaded to tell so much because he was convinced that the time had come for industry to be less reticent about its achievements. The triumph of private enterprise, upon which Britain's national greatness had so largely been built, was under fire. There were few specific charges openly made, but a wealth of misrepresentation and innuendo. It would be the duty of industry to tell the public more about what it was doing, what it could do, and meant to do. "Still more we owe this duty," said Lord McGowan, "to our employees, the management and the public, who have seen that the country, through its troops in the field or housewives at home, have had the goods they need, in the quantities they needed."

Compared with Foreign Firms

Because of its size I.C.I. was a favourite target with critics. It had now over 120,000 employees, in addition to some 15,000 on leave service at home or overseas, but the full-time personnel was far smaller, round about 70,000. If I.C.I. looked big to British eyes it was relatively small compared with the great firms of the U.S.A. or Germany. The German I.G. Farbenindustrie employed about three times more people, while the United States firms like United States Steel and General Motors, with over 200,000 employees each, quite dwarfed I.C.I. I.C.I.'s war effort started in 1935. For many years previously the company had conducted research on the extraction of oil from coal at a cost of no less than £1,000,000. In 1935 the company decided to erect, at a cost of nearly £3,000,000, a large plant to produce petrol from British coal and tar. The decision was carried in the face of strong opposition in Parliament and from the Press. What had happened? Before the war that plant gave much new employment at a time when unemployment was high. It used British coal to make motor petrol instead of this being imported. It enabled I.C.I. to place all its information about the production of motor and aviation petrol at the disposal of the Committee of Imperial Defence in 1937, and to play the leading part when, in 1939, the Air Ministry decided to erect a new plant to produce

the special fuel needed by the Royal Air Force. Nowhere else in the Empire were there men with experience of the hydrogenation process, consequently not only did the major responsibility for the design and erection of the Government plant fall to I.C.I., but it was today managed by I.C.I. The decision I.C.I. took in 1935 had meant that Britain had been able, throughout the war, to rely on hundreds of thousands of tons of the highest grade aviation spirit manufactured in this country. "I ask you," said Lord McGowan, "what body of civil servants, what ministers in Parliament, would have dared to take the commercial risk involved in the decision which private enterprise took in 1935?"

Shell Cases and Ammunition

It was indeed difficult to exaggerate the service which I.C.I. had rendered the Government here. During the war of 1914-18 only a small variety of small arms ammunition was necessary, but, with the development of air and mechanised warfare, the number of types had been increased enormously. With its wide experience I.C.I. had been able to build for the Government a number of small arms shadow factories, which have since been in full operation under I.C.I. management. Without the experience and energies of I.C.I. staff and workpeople the nation's extraordinary demands for shells and cartridges of many varieties could never so promptly and efficiently have been met.

Building Factories

Probably the largest and most important contribution, measured in terms of manpower, which I.C.I. had made was the erection of factories for the production of materials necessary for war. The size of this effort might be judged from the fact that I.C.I. had been responsible for building entirely new factories involving the expenditure of £61,000,000, to make materials of which I.C.I. either had manufacturing experience or on which it had carried out research. Not only had I.C.I. to build the plants, but to train Government personnel to operate them. Naturally it had made freely available to the Government all its technical information, the result of years of experience in the various fields. I.C.I. had also built, at Government request, a number of plants not connected in any way with the normal work of the company.

Industry as Reservoir of Personnel

Lord McGowan asked this question. "Where do our critics think that the peace-time Government of a democracy keeps the army of experts that becomes necessary on the outbreak of war, not only to reorganise the production of food as well as of industry on a war footing, but to direct and manage the huge Governmental Ministries which take the place of the routine departments of Whitehall? The answer, of course, is that they do not keep such a force, nor could they or any government of a democratic country. The cost would be staggering and the energies of men required only in war would atrophy in idleness during peace-time, instead of being kept sharp by constant competition as they are under the system of private enterprise. The only reservoir upon which the State can draw in the hour of emergency is provided by the great enterprises of the country whose personnel and plant have of necessity to be kept up to the highest pitch of efficiency in order to secure for Britain a share in the trade of the world. . . . Some play has been made of the number of men from I.C.I. who are found in responsible positions in the various Ministries. Why is this? . Not, you may be sure, because at a time of such pressure on us we wish to lose so many of our best men. Nor, as is more fancifully suggested, because we desire, by some mysterious means, to influence Ministries in our favour, but solely because nowhere else, except in the great firms, can the State find men with the necessary ability and experience of managing large-scale operations. Only undertakings of the largest size can serve as training grounds for supply and service ministries in time of war. For its part I.C.I. responded by seconding a large number of officials, all of whom could ill be spared. No fewer than 2,500 of our senior staff and key men are in Government employ."

British Inventiveness

Lord McGowan noted that in each instance he gave I.C.I.'s ability to help rested largely—though by no means entirely—on its peace-time research. The very existence of I.C.I. was based on research kept efficient on the whetstone of competition. The amount of research and invention which had taken place since 1939 had astonished Lord McGowan. "Alas, almost all this must remain secret for obvious reasons. I must, however, say this—that it is conclusive evidence that the British race has not lost that spirit of inventiveness which has distinguished it. When the history of this war can be written I am sure we shall find that every new manifestation of enemy research, whether at sea, on land or in the air, has been matched, and more than matched, by counter discovery in this country, to say nothing of the lead we have given to the Allies in all sorts of directions connected not only with attack and defence, but with the health of the people."

Paint Helps Navy and R.A.F.

The Royal Navy and the Merchant Navy demanded vast supplies of special paints to combat the growths which form on ships, and

which might increase the fuel consumption of a 10,000 ton ship by as much as 14 tons a day. Besides these ordinary uses of paint there were all sorts of special uses—for the detection of dangerous fumes or poison-gas, for protection against incendiary bombs, and luminous paints to guide pedestrians or traffic in the blackout. Many of these were interesting, but perhaps the most dramatic illustration of the value of paints was provided by the Royal Air Force. Some two years ago Fighter Command expressed to I.C.I. disappointment at the falling off in the high-speed performance of metal aircraft due to deterioration of paint-work or damage to metal skins. This problem was investigated by I.C.I. and by recommending the adoption of a different method of painting and finishing the problem was entirely solved. This method had now been standardised. It served to convince the R.A.F. of the importance of paint with the result that practically the whole of the training of the constructors for the R.A.F. had since been undertaken by I.C.I. In addition an R.A.F. school for constructors had been running at an I.C.I. factory for over a year.

Drugs and Medicines

Just as in peace-time Britain had been content to draw most of its food from overseas, it had also been content to rely on Germany for many of its medicinals and drugs. The need for large-scale manufacture of drugs and alternate specifics became, on the outbreak of war, as vital as the provision of food. A few years before the war I.C.I. had decided to enter the pharmaceutical field in a big way as dyestuffs were, in some forms, a base for the production of drugs. Development in this field must always be slow and when war broke out, I.C.I. had to produce—and quickly—products of which, because of war, the country would be short. In this it had been very successful. Previously the treatment of malaria needed the natural product quinine or the German product Atebrin, so that when the Japanese overran the supply in the East Indies, the production of an efficient British specific was vital. I.C.I. had not been long in filling the gap. Whereas in 1940 it produced no more than 600,000 tablets of mepacrine, during 1944 it would produce over 1 thousand million. Today the value of mepacrine was universally recognised. It was issued to our troops in the Near and Far East. Not only had I.C.I. supplied our own armies, but had even managed to send out supplies of the drug to the U.S. and Australian troops engaged in the jungles of the South-west Pacific. Mepacrine was but a small example. Lord McGowan also instanced penicillin, in the production of which I.C.I. had played and was playing a great part.

New Discoveries for Peace-time

There were a number of I.C.I. inventions which would have great use in peace as well as war. Some of these lay in the realm of synthetic fibres. Great strides were being made in this field. In parallel with this I.C.I. had made progress in Great Britain with the manufacture of the American-discovered Nylon which had

required for war purposes. Britain could rely on its own Nylon for all its various war uses. This development was only one of the fruits of that agreement between I.C.I. and the great U.S. firm of du Pont which was made under fire in the U.S.A. I.C.I. was also interested in a big way in plastics. Another I.C.I. discovery, polythene, was a new plastic material with many valuable properties. Perspex was another I.C.I. discovery.

ss Substitute

Perspex, the standardised substitute for glass in aircraft, was expected to register great developments for peace. I.C.I. was proud to think that it had met the demand for large quantities of medicinal and veterinary specifics for our armies overseas and for our people and animals at home. I.C.I. was proud of its part in the nation's war effort, the more so because it had been able to play it and at the same time stand up to its normal responsibilities to the public. There was scarcely an article produced by industry or agriculture that did not at some stage in its production make use of a product of I.C.I. An example of the former was the soda alkali, soda ash, well-known to the public in the form of washing soda or "bicarb." It had never before achieved this double rôle if it had been an "unhappy ship." Not the least evidence of the soundness of private enterprise was found in this fact: that throughout the war all I.C.I.'s many factories with their 120,000 workers there had been no major trade dispute. This afforded some indication of the loyalty of the company's workpeople and indirectly therefore of their satisfaction with the treatment they were accorded under the mechanised system under which they worked. Lord McGowan noted that I.C.I. had now invested no fewer than £15 million outside the company for the various pensions schemes for its staff and labour.

War Developments

We looked to the Government for help to enable industry to function in the best interests of the country in the difficult years that lay ahead, but this did not mean interference in the administration of industry. Already great companies such as I.C.I. were considering their expansion in the years following the declaration of peace. I.C.I. had been asked by the Government to do what it possibly could to ensure full employment. Plans were already laid for the expenditure of many millions of pounds over the next five years. These involved extensions to existing plants, and new factories required for the manufacture of many new products which were now, after years of research and development, ready for production. Lord McGowan emphasised that private enterprise had been and was capable of doing that spirit of adventure and courage which the Empire had been built. "With our background, our scientific and technical manufacturing knowledge, and our knowledge of the world's markets, we as a company are prepared to go ahead and to do our utmost to assist the Government in creating the

'World of Plenty.' We believe we shall be able the more effectively to do this in the conditions in which we have built up our present strength." Lord McGowan ended: "I repeat, the record of I.C.I. is not peculiar. It is our privilege to have stood up to the responsibilities due from our size and character. I have merely used our company as an example. What we have been able to do, most other enterprises have done according to their size and character. There is a biblical admonition very pertinent to private enterprise today. It is 'Let your light so shine before men that they may know your good works.'"

C. & D. DISPENSING PRICE LIST

CHANGES in prices for January caused no alteration in the index figure, which remains at 134.6. The index for January 1943 was 134.3.

Cost		Due allowance has been made for purchase tax in both cost and dispensing prices	Dispensing price		
d.	per		4 oz.	1 oz.	1 dr.
			s. d.	s. d.	s. d.
6 oz.		Acid. benzoic ..	—	0 11	0 2
144 lb.		Antim. tartar. pulv. S.I (4)	5 2	1 6	0 3
36 lb.		Areca pulv. ..	1 5	0 6	0 1
48 lb.		Caryophylli pulvis sec. ..	1 9	0 7	0 1
40 lb.		Chloroformum P.I (8)	2 2	0 9	0 2
7 oz.		Colocynth. pulp. pulv. ..	—	1 2	0 2
26 oz.		Ext. colchici liq. P.I (9)	—	4 1	0 7
71 oz.		Liq. vitamin. A conc. ..	—	—	1 6
76 oz.		Liq. vitamin. A et D conc. ..	—	—	1 7
18 oz.		Lithii carbonas ..	—	2 8	0 5
86 lb.		Lobelia pulv. P.I(8)	3 5	1 0	0 2
102 lb.		Ol. eucalypti opt. ..	3 9	1 1	0 2
49 oz.		Ol. lavandulae spic. gall. ..	—	7 2	1 1
12 lb.		Ol. lini ..	0 6	0 2	—
16 lb.		Ol. rapae ..	0 7	0 2	—
24 lb.		Ol. succini rect. ..	0 11	0 3	0 1
51 lb.		Pulv. lobeliae co. B.P.C. ..	2 1	0 9	—
52 lb.		Pulv. stramonii co. B.P.C. ..	2 1	0 9	—
39 oz.		Safrol ..	—	5 9	0 10
144 lb.		Sennae fruct. Alex.	5 2	1 6	0 3
87 oz.		Strychnin. pulv. S.I (4)	—	—	2 0
83 oz.		Strychnin. hydrochlor. S.I (4)	—	—	2 0
44 lb.		Succus scoparii B.P.C. ..	1 9	0 7	0 1
69 lb.		Syr. mori ..	3 7	1 1	0 2
54 lb.		Tinct. ipecac. ..	2 2	0 9	0 2
74 lb.		Tinct. lobeliae ..	3 0	0 11	0 2

U.S. FATS AND OILS

A RECENT report of the United States Bureau of Agricultural Economics indicates that American supplies of fats and oils during the year 1943-44 will be larger than in 1942-43. The report on the fats and oils situation stated that production from domestic materials was likely to total about 11,200,000,000 lb., compared with 10,600,000,000 lb. a year earlier. Requirements for fats would be larger in 1943-44, and military needs would expand. Relief requirements for Europe, if the war should end in 1944, probably would impose an additional burden on domestic supplies. Hence there was a distinct possibility that the domestic supply situation for fats and oils, after becoming somewhat easier in the next few months, might grow stringent again before the end of 1944.

ZANZIBAR CLOVE EXPORTS

THE report of the Zanzibar Clove Growers' Association for the quarter ended September 30, 1943, shows that supplies and exports during the quarter were:—

	SUPPLIES	EXPORTS
Zanzibar ..	1,359,715 lb.	To all destinations
Pemba ..	5,803,761 lb.	3,887,817 lb.

Of the total supplies, 1,962,224 lb. passed through the Zanzibar market, and 22,630 lb. passed through the Association's depot. 5,178,622 lb. were purchased by the Association during the quarter. Export destinations and quantities were:—

DESTINATIONS	BALES	LB.
Arabia and Persian Gulf ..	18,926 ..	2,649,785
Bombay and India ..	7,837 ..	1,096,980
United Kingdom and Continent	328 ..	45,920
South Africa ..	133 ..	18,620
Australia ..	24 ..	3,360
South America ..	40 ..	5,600
East Africa ..	228 ..	31,972
New Zealand ..	166 ..	23,240
West Africa ..	8 ..	1,120
All other destinations ..	80 ..	11,220

In terms of standard bales (140 lb. net) supplies were 51,167, exports 27,720. The Association supplied 1,943,909 lb. or 50 per cent.

Stems.—Supplies of stems were small and the distillery worked only part time, absorbing 224,447 lb., all that was available. Exports of oil at 46,677 lb. were about half the quantity dispatched during the previous quarter. The markets for oil were quiet and there were no important price changes.

RUBBER COMMITTEE

THE International Rubber Regulation Agreement, in operation until rendered ineffective by the events of the war in the Far East, was due to expire on December 31, 1943. An official announcement states that the three signatory Governments still available, i.e. the United Kingdom, the Netherlands and India, are agreed in desiring international co-operation in matters affecting rubber and the retention of adequate machinery for consultation on possible future international action to deal with the post-war problems of the industry, including the interests and well-being of the inhabitants of producing areas. They feel, however, that in its present form and with its present restricted membership the existing Committee is not an appropriate means of securing these objects. They have therefore for some time past been considering the possibility of constituting a new and more widely representative committee for consultation and the collection of information.

Powers of Committee

Such a committee should have, in their view, no powers of regulation of export production or planting, and membership of it would involve no obligations to restrict production or planting. It is the hope of the three Governments that all other countries with a substantial interest in rubber or rubber substitutes, whether producers or consumers, will join the proposed committee. The three Governments hope that the new committee, formed, will point the way to international action, which will secure the long term interest of rubber producers and consumers alike in conformity with such principles for international commodity schemes as may be generally accepted after the war. Unfortunately in the time available it has not been possible to bring these discussions to a conclusion, and the three Governments have therefore decided, in the hope that it may be possible to form the proposed committee with a wider membership, to extend the existing Agreement for a short final period of four months. This extension does not involve any resumption of rubber regulation.

An Appeal by the Post Office.—The Post Office is appealing for a reduction in the number of trunk telephone calls. The department is busy providing telephone and telegraph communications for the Forces and the home front, and equipment for men overseas.

SEAWEED GUMS

MUCH-INCREASED demand for seaweeds as suspending agents in a wide variety of drugs and cosmetics has been experienced since the beginning of the war. The U.S. "Commercial Intelligence Journal"

December 1943 gives details of their manufacture.

Algin.—Sources of algin are kelp species. The seaweed is mowed or dragged up from a depth of 3 to 15 ft. below the surface of the sea and cooked, while fresh, with soda ash. The solution of sodium alginate is filtered off from the cellulose residue, and alginic acid precipitated by acid or alcohol. Alkali-metal alginates are soluble; those of the heavy metals insoluble. The commercial value of algin depends on its capacity to form a viscous solution or a high insoluble curd. Its chief use is as a stabiliser in ice-cream; the substance is also used also in water-base paints.

Agar.—Pre-war commerce in this extracted from various seaweeds was almost

entirely Japanese, and the shortage resulting from Japan's entry into the war led to restriction of its use to bacteriological media. As a result, its previously much greater use in the manufacture of laxatives, emulsifiers, confections and for meat packing has ceased. It was recently reported in the Press that the University of Wisconsin had developed a substitute. This product is probably akin to Irish moss.

Carraageenin.—Irish moss (*Chondrus crispus*) was for a century sold dry, either raw or bleached. A purified extractive, carraageenin, is now available. The chemical nature of this substance has not been thoroughly investigated, but it is said to differ entirely from agar in the ease with which it is extracted with cold water. Irish moss is seriously reduced in value if exposed to rain while drying on the beach. Carraageenin is used as a suspending agent in chocolate milk, and in a wide variety of foods, drugs and industrial liquids.

CANCER PROBLEMS

The disease of cancer, cause of so much suffering and heavy mortality, has been a major social evil since Percivall Pott, of St. Bartholomew's Hospital, diagnosed the relation in chimney sweeps nearly 170 years ago. Every branch of science since then has made its contribution to the study of cancer, and the help given by chemistry is described by Dr. J. W. Cook, F.R.S., in his recent lecture to the Royal Institute of Chemistry.

Earlier Diagnosis and Treatment

In the early stages of the disease some forms of cancer can be eliminated by drastic surgery, and x-rays have had successes as well as failures. Still earlier diagnosis and more severe methods of treatment are urgently needed, but to attain this end a much fuller understanding of the nature and aetiology of the disease are required. When there is definite information on the conditions which lead to the onset of the growth, even if the established cancer does not yield to treatment, preventive measures may give good results. The proof that soot, and lubricating oils were the cause of some cancers has led to the examination of many organic compounds, notably derivatives of 1:2-benzanthracene and of scarlet red. These compounds have increased our present knowledge of the nature and growth of tumours, but research workers remain

ignorant whether the carcinogenic compound present in food or (more probably) formed in the body belong to any of the carcinogenic polycyclic hydrocarbons. Even repeated injections of simpler chemical compounds have been recorded by Japanese workers as carcinogenic.

Selective Action Required

Little success has been gained in the search for chemicals to control the growth of tumours. Selective action against cancerous tissue is difficult to attain because cancer cells are derived from normal cells and show great similarity in their general behaviour. Yet there are rare examples of malignant tumours which spontaneously regress and disappear, so that there is obviously a possibility of bringing about the same result by artificial means. Preparations of lead have been tried, but their high toxicity is a disadvantage, and they seem to have little effect on tumour growth. Colchicine, which arrests cell-division in its later stages, has been reported to cause regression of tumours, but the effect is irregular, and unfavourable results have been noted. Only small doses of this highly toxic compound can be given, and experiments are being made to produce less poisonous preparations with similar action. Citral is also said to be definitely inhibitory to tumour growth.

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fact that goods made of raw materials in short supply owing to war conditions are advertised in this paper or described in its editorial columns should not be taken as an indication that they are necessarily available for export.

Pharmaceutical Council Election

In response to our invitation the forty candidates for the seven vacancies on the Council of the Pharmaceutical Society of Great Britain have sent in for publication in our columns their statements of policy. The first batch of these, together with brief details of their pharmaceutical careers, was published this week (p. 149), and the remainder will be included in succeeding issues. By spreading the forty election statements over four weeks we shall at the same time be able to carry our usual full service of trade news in these issues. Moreover, we believe such a large number of statements, all somewhat similar in many respects, if published in one issue covering many pages, would tend to become wearisome to the electors long before they had finished reading them. We suggest to members of the Society that they should make their notes, for or against each candidate's statement, as they are published week by week and then at the end of February make their final decisions and record their votes without delay.

Voting papers are now being dispatched and the closing date for their return is

May 17 (noon). This period of almost four months before the close of the poll is to give pharmacists serving in the Forces the fullest possible opportunity of recording their votes. It would be of interest if the scrutineers could make it known, when the result of the poll is declared, how many votes were recorded by pharmacists overseas.

Each candidate gives particulars of his, or her, past activities and the branch of the profession with which he or she is connected. These details, accompanied by their views on future policy, should provide sufficient information to enable the electors to decide which seven candidates should receive their support. With this information we feel there is no need for us to divide the candidates into groups, analyse their business or professional connexions or review their past activities in pharmaceutical politics. The only submission we have to make to the electors is that it is their duty to their profession and to themselves to treat this election as a matter of first importance and to record their votes.

Another Report on Research

A NUMBER of constructive reports have recently been published on the place of research in the nation's economy. As recently as January 1 we referred in these columns to representations that had been made to the Government on the subject. The latest document to be published in this connexion comes from a committee appointed in June 1943 by the Council of the London Chamber of Commerce, "to ascertain in what manner the Chamber could assist in promoting research in industry."

Vital Importance of Research

The Chamber considers that the essentials for galvanising research in this country into full and fruitful activity are: (1) A centralised and planned direction through a Central Research Board; (2) a far greater stream of money flowing into research; and (3) a larger, better-trained and better-paid personnel. The Central Research Board is envisaged as the focal point in securing co-ordination of effort and immediate application of every discovery of value to industry. The Chamber considers that the number of undergraduates seeking

COUNCIL CANDIDATES

of biographical details about each of the candidates for election to the Council of the Pharmaceutical Society on May 17, with summarised statements of policy.

enable members of the Society to make their choice from among the forty candidates for Council honours, the Editor invited each to send in a statement not exceeding 250 words. Where two candidates are standing on the same programme, one statement appears for both.

Atkinson, William

QUALIFIED 1922 at age of twenty-one in Edinburgh. Apprenticed T. W. Salmon, Stockton-on-Tees. Wide experience, Scotland, Durham and Yorks, East Africa and London. For past twelve years, S.W. London. Now with Cross of Enfield (C.P.W.C. directed). Past senior vice-chairman, S.W.



London Chemists' Association; social secretary for several years; still on Council of Association; past-chairman, National Pharmaceutical Employees' Association; past secretary, National Pharmaceutical Employees' Union (still on committee). Resigned secretaryship because my views were very definite on Beveridge plan. The present Pharmaceutical Council have, in my opinion, acted in a very undemocratic manner in handing over the interests of pharmaceutical employees on the J.I.C. to the trade unions. This will, unless corrected, have grave repercussions on the whole of pharmacy. Surely proprietor pharmacists would much rather discuss their mutual problems with fellow pharmacists than with permanent officials of trade unionism. I want to see pharmacy deserve and obtain its proper place in any national medical service. We must make and maintain minimum standards of equipment, sanitation, and facilities in every pharmacy. We must insist on being recognised as complementary to the medical profession. Then only shall we get terms commensurate with our training and high calling. I want to see post-graduate courses available to all pharmacists. Being an employee, I want security for all pharmaceutical employees—in work, sickness, and old age. I am all for private enterprise as against shareholder-controlled businesses.

Barrs, Percy

As one of the forty nominated for the Pharmaceutical Council, I would first mention that my acceptance of office, if elected, is based on the following: My

Armitage, George Henry

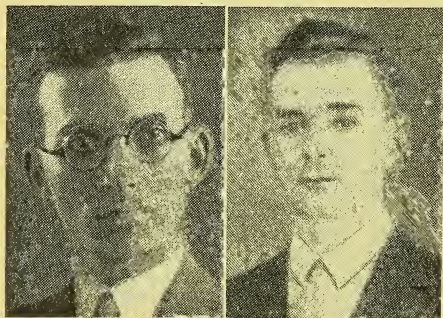
THE confusing, contradictory nature of the material at one's disposal, which is the usual source of information, sums up my attitude to controversial matters in pharmacy today. Until the Government's White Paper is published, Assumption B is, well, just an assumption. I hon-



believe that unless the different systems in retail pharmacy cease their bickerings and compromise, the future for pharmacy is going to be bleak. Recently the Society's secretary said publicly, "It is quality that counts on committees." The results of recent findings prove this to be true, and a blood transfusion would appear to be essential. The untapped storage of commodities is amongst employee members. It is up to proprietors to give non-proprietors at this election a chance. I am chairman of N.P.E.U., an organisation bent on seeking agreements by duress but from a balanced perspective which can see the other side's point of view. I am an ex-serviceman of the last war, and a pharmacist of many years' standing. I certainly think there is too much "hush-hush" policy and secrecy in consequence in pharmaceutical matters in the Press is having a bad effect. Lack of interest is shown in Association meetings and pharmaceutical affairs by too bald statements and lack of details. This must be remedied. It is not healthy, and gives rise to suspicion and feelings which no doubt are groundless. The freedom of the Press is an heritage from Magna Carta, and must be preserved. I stand for the above and on these solicit your votes and support.

experience in retail pharmacy covers forty-four years, over thirty of them in my own business at 106 Kensington Church Street, London, W.8. For over twenty years I have been directly connected with wholesale business, and for the past fifteen years have been president of the Institute of Chemists-Opticians. So much for my experience. Having done National Health dispensing since its inception, over thirty years ago, I feel justified in stating that, in my opinion, the time has now arrived, in fact, is long overdue, when pharmacists should demand a dispensing fee of not less than one shilling for every N.H.I. prescription. At the present rate of remuneration this department shows a financial loss. The increased cost of drugs, labour, and overhead charges cannot be met on the present ridiculous remuneration, and I shall do all in my power, if elected to office, to ensure a fair living for all dispensing chemists without them having to rely on big turnover in patent goods. I have confidence, from long and varied experience, of expressing my views and facts to the advantage of my fellow chemists throughout the craft.

**Benjamin, William Sidney
Connelly, Frederick Henry**



BENJAMIN, W. S. (left). Qualified 1932; continuously in retail; now manager, Ascotts, Ltd., Sutton; member, national advisory committee, Association of Pharmaceutical Employees; secretary, Health Workers' Council.

CONNELLY, F. H. Qualified 1928; continuously in retail; now manager, Boots, Ltd., Oxford Street, London; chairman, London division, A.P.E.; member, Retail Pharmacy Joint Industrial Council.

As employees we look forward to support from both employees and small proprietors.

With a new approach, capable leadership and enthusiasm the Society can perform great services for the nation and profession. The Society should support a comprehensive National Health Service. Bold planning is required. As the first step a representative body formed from the various pharmaceutical organisations should determine a common policy and act as forerunner of the proposed Pharmacy Commission. Public service and private enterprise should work together in the pharmaceutical service. Local committees of pharmacists should be set up now to co-ordinate the existing service. Our joint policy also includes: *Education.*—Improved conditions and training for apprentices; apprenticeship for all handling drugs; post-qualification courses. *National Health Service.*—Utilisation of pharmacists wherever pharmaceutical supplies and administration are involved; revision of Code of Ethics to lay down principle of service to public; no mere extension of N.H.I.; improved remuneration; standardised private dispensing fees. *Research.*—The Society's research work extended in scope and coordinated with that of other public bodies; a claim to be made on public funds to provide additional staff, laboratories, etc. *Sale of Medicines.*—Sale of most drugs and medical products to be restricted to pharmacists, with price control (hence support C.F. scheme); composition, claims, advertising and supplies of proprietary medicines to be controlled. *Fees.*—No increase in retention or shop fees unless approved by membership.

Bowerman, Ernest James

AGE forty-three. Qualified 1923. Managerial appointments with Boots, Ltd., in Bridgwater, Exeter, Southampton, and Torquay. Over four years chief assistant to general sales manager, Boot, Ltd., Nottingham. Elected a member of the Incorporated Sales Managers' Association, 1932. Chairman of the Torquay Branch, this



is the second time the local members have placed their confidence in him. Takes a keen interest in pharmaceutical affairs and considers all members should work

ether for the betterment of pharmacy, guard professional status with zealous. Advocates in each district a joint committee of doctors and pharmacists. Considers the Council as at present constituted is not truly representative of pharmacy under modern conditions, and is for a suitable reformation to ensure democratic representation. Maintains pharmacists have given exemplary service under the N.H.I. scheme, and that dissuading for any national extension be conducted through pharmacies. That the

of all medicinal preparations be conducted on premises registered with the Society. Favours the amendment of the Shops Act so that employees work only so many hours per week. Draws attention to post-war, that whether employer or employee, our standard of living and status should not be allowed to drop, but advanced, recommends we accept President Roosevelt's Declaration to Congress in his report of the National Planning Board in January 1942 as applying to ourselves, particularly the four points fair play, security, free enterprise and recreation.

Brocklehurst, Eric Arthur



AGE forty. I am the proprietor of a suburban business with two branches, a past-president of the Hull Chemists' Association, and a member of all its committees. I am also a member of the Executive of the National Pharmaceutical Union, and a director of the Chemists' Defence Association,

Mutual Insurance Company, and the Chemists' Sickness and Provident Society. I am a member of the following: Chemists' Propaganda Committees, and Central N.H.I. Committee. As a proprietor, it will be my endeavour to see that pharmacy occupies its rightful place in any national medical service. The Joint Industrial Council for Retail Pharmacy has my support; I believe that improvements in conditions of employment in pharmacy will ultimately benefit the calling. Immediate employment for pharmacists returning from the Services should be provided, and

I have a plan to put before the Council to achieve that object. I maintain that the problems facing the Society demand the presence on the Council of more experienced business men who are personally engaged in retail pharmacy. The administration of the Pharmacy Acts mainly affects retail pharmacists, and must not be allowed to come under the control of other sections of pharmacy. Briefly, and in slogan form, my policy is: "Pharmacy for the Pharmacist in the Pharmacy."

Eccles, Emeric Alfred

QUALIFIED in 1923, immediately commencing retail business on his own account at Oswaldtwistle. Chairman of the North-east Lancashire Branch. Long experience of both pharmaceutical and public affairs, having been in office in the North-east Lancashire Branch since 1924 and served on



many committees in connexion with local government. Mr. Eccles has never spared time or energy in furthering the many branch activities. Just two examples: interviewing institution and hospital boards regarding employment of qualified pharmacists, and travelling to London to interview M.P.s in connexion with the P.M. stamp repeal controversy. He is persuaded to accept nomination because he believes that the voice of the work-a-day pharmacist should be heard more loudly in the deliberations connected with the great changes which are about to be made in pharmacy. Mr. Eccles' policy may be briefly summarised under these headings: (1) Private enterprise with a minimum of Government control. (2) Proper recognition of pharmacy as a part of the health services, particularly in connexion with the armed Forces. (3) A vigorous policy of post-war planning with which should be coupled an all-out effort to safeguard the interest of members now with the armed Forces. (4) A closer liaison between the Society and the N.P.U., particularly regarding the unsatisfactory state of the proprietary medicine trade. Mr. Eccles has the wholehearted support of the North-east Lancashire Branch, which has invited him to accept nomination.

Foster, Bernard



QUALIFIED 1929 from the Royal Dispensary, Edinburgh. Secretary of the Hull Branch; branch manager for fifteen years in private and company shops. I am standing as an independent employee. I shall put the interests of employees first, but consider that friendly co-operation

between all sections is necessary to face post-war problems. In my opinion, health centres will be tried experimentally. Chemists' shops can dispense for the nation. Chemists must show that they can provide this service, for which adequate remuneration is necessary. All professional status has an economic basis. In spite of the limitations placed on our Society's activities by the Jenkin case, we should in negotiating remember this economic basis with regard to the maintenance and raising of profits and wages. Only by the formation of a Royal Army Pharmaceutical Corps can the present deadlock be overcome, and we should adapt what is best in the pharmaceutical organisation of the armies of other nations. The appointment of a public relations officer influential with the national Press; and, under his guidance, an organisation of local officers chosen for their dialectical skill and for the extent and variety of their social contacts. Energetic action must be taken to secure adequate Parliamentary representation covering all political parties. After the war we shall be faced with grave problems; we shall therefore have great opportunities. I should be guided by public interest, and our duty to choose the right road.

Ventilation, Heating and Lighting.—Maximum production in war-time necessitates attention to workers' comfort, health and efficiency. The subject is dealt with in a pamphlet issued by the Industrial Health Research Board of the Medical Research Council and issued by H.M. Stationery Office (price 3d.). The booklet describes the conditions necessary for good ventilation, heating and lighting while keeping in view the need of reducing heating and lighting to a minimum in present conditions.

Gilmour, Andrew Brown



ADMINISTRATIVE experience: Member of Committee of Pharmaceutical Society's largest branch. Have held offices of auditor, interim secretary, vice-chairman and chairman. Honorary local treasurer, Glasgow B.P. Conference; treasurer, McMillan Memorial Fund; Rutherford Hill Testimonial Fund; Glasgow Pharmacy Club Building Fund; Trustee Kinninmont Priory Fund; director and past-president Chemists' Friendly Society. Pharmaceutical experience: Varied retail experience town and country. Branch manager city pharmacy in Glasgow and general manager of a group of five pharmacies in Edinburgh. At present, Clerk, Dr. Accounts Committee (Scotland), and Superintendent, Central Checking Bureau, Glasgow, which position, with its pharmaceutical and medical contacts, has given me exceptional knowledge of the problems and difficulties affecting the practising pharmacist. Policy: Compounding, dispensing and retail distribution of drugs and medicines is the work of the pharmacist and should be reserved to him, wherever practicable. Post-war changes are inevitable and certain proposals have already appeared. I undertake to bring to all a more receptive to improvements and without bias in favour of past methods. Supporter of tactful and dignified propaganda relative to pharmacy and the significance of the Pharmaceutical Society. Believe that the Council, in its membership, should be a reflection of all principal interests of pharmacy.

Council Election.—After the poll has been declared your ballot paper will go to salvage. This is an additional reason making the poll a heavy one.

CLOSED ON SATURDAYS.—Advertisers and subscribers are reminded that owing to conditions the Head Office of THE CHEMIST AND DRUGGIST, 28 Essex Street, London, W.C.2 is closed on Saturdays until further notice. Urgent instructions relating to advertising and subscriptions should be sent to the C. & D., 17 Argyle Street, Bath, Somerset.

PHARMACEUTICAL SOCIETY OF NORTHERN IRELAND

The Council of the Pharmaceutical Society of Northern Ireland met on January 21, J. T. Nicholl (president) in the chair. Members present were Messrs. Charles Abernethy (vice-president); James McDowell (assessor); Dr. S. E. A. Acheson, J. E. Connor, J.P., James Donaghy, S. H. West, James Glendinning, J. W. Gray, J. F. Grimes, J.P., James Irwin, Professor E. B. C. Mayrs, J. McGregor, F. Moore, Professor James Small, and C. Tate, and the secretary (Mr. D. L. Kirkpatrick). MR. KIRKPATRICK read messages of seasonal greeting from the Pharmaceutical Society of Great Britain, the President and Council of the Pharmaceutical Society of Ireland, and an airgraph message from the president and members of the Council of the Pharmaceutical Society of South Australia.

Increased Sales of Strychnine

THE SECRETARY read a letter from the Ministry of Home Affairs drawing the Council's attention to the increased sales of strychnine, and asking for their observations. After discussion it was agreed to notify the Ministry that the Council were aware of increased sales, mainly due to the use of strychnine, especially in country districts, in poisoning crows and killing rats, both of which were a menace to the wild food production of the country. The Council would be interested in any amendments to the poisons laws which the Ministry might have in contemplation.

MR. J. E. CONNOR, J.P., asked the Council what it was prepared to do in the matter of granting licences in country districts for the sale of horticultural poisons. THE PRESIDENT replied that they were alive to this situation, and the secretary was instructed to oppose the granting of any new licences.

Entertaining of Apprentices

MR. NICHOLL raised the question of apprenticeship that could be introduced by the Pharmacy and Poisons Act. After discussing the advantages and disadvantages of the system, it was decided to write to the Ulster Chemists' Association and put out their views on the subject before proceeding.

It was agreed to grant certificates of apprenticeship to the following who had submitted certificates as indicated:—

Junior Certificate, Ministry of Education, N.I.
Daniel Carlin, Belfast; James Joseph Kelly,

Belfast; Thomas Loughrey, Omagh; Michael Maguire, Newry; Thomasena Manson, Belfast; Joseph McAufield, Belfast.

Pharmaceutical Preliminary, Queen's University, Belfast.—George Harold Downey, Clogher; James Niblock, Comber; Michael Albert Peel, Upper Ballinderry.

Mercury Compounds

The following letter from the Ministry of Home Affairs was read by the secretary:—

SIR,—I am directed by the Ministry of Home Affairs to enclose for the information of your Council a copy of an Order in Council dated October 21, 1943, amending in its application to Northern Ireland, Section 2 (r) of the Poisons and Pharmacy Act, 1908. The effect of the Order is to permit the sale of organic compounds of mercury for use in agriculture by persons licensed by a local authority under the provisions of this Act.—

W. MCCLINTOCK, for secretary.

Membership

On the motion of MR. CHARLES ABERNETHY, seconded by MR. JAMES DONAGHY, Patrick Mallon, Newry, and A. Templeton, Garvagh, were elected members.

It was proposed by MR. GRAY, seconded by MR. MCGREGOR, and passed, that the following Licentiates should be elected members of the Society: James Gerard McCluskey, Lurgan; Victor Rankin, Bready, Strabane. Notice of motion was given by MR. H. F. MOORE (vice-president), as follows:—

"That the secretary be granted a war bonus of £50 per annum dating from September 1, 1941; also that the salary of Miss Roulston be increased to £2 ros. weekly from June 1, 1942.

Examiners' Reports

The reports of the examiners on the December 1943 examinations are given below:—

PART I (PRELIMINARY SCIENTIFIC)

Chemistry.—"In Part I 54 per cent. of the candidates passed. Only one candidate did very well in both papers. Of the others who were successful a few were fairly good and the others moderate. Surprisingly few attempted the simple calculation which should have easily secured full marks. A question in which candidates were asked how to distinguish certain substances met with in their practical course was shunned by most of them. In the practical examination several of the candidates did not add dilute sulphuric acid when making up their standard iron solution. The qualitative work was rather weak."—C. J. STILL.

Botany.—"Of the fourteen candidates who had entered for the examination in botany one did not attend. Nine of the candidates who

attended reached the required standard, the remaining four failed to obtain the necessary marks. The standard of answering was, on the whole, somewhat lower than on any of the previous occasions on which I have acted as examiner."—M. J. LYNN.

Physics.—"The general standard of the work was fairly good. In the theory paper all questions were attempted. The only one done consistently badly was that on heat and work, which was answered well by no candidate. A number of candidates confused the magnetism and gravitation of the earth. In the practical examination most candidates were able to attempt the experiments given them, and wrote their work up satisfactorily, although a large number obtained grossly inaccurate results. I think that the candidates were a group that did not find physics an easy subject, but showed clearly that they had been carefully taught."—K. G. EMELEUS.

PART II (FINAL QUALIFYING)

Chemistry.—"In Part II 64 per cent. secured pass marks. One candidate got very good marks in both papers and several of the others

were good in theory. On the practical side the quantitative exercise was generally well done. The qualitative work was not so satisfactory. Only a few were able to identify potassium (sodium) antimony tartrate. Several candidates returned it as a benzoate, due to the use of insufficient acid when acidifying. The identification of dextrose was not very well done."—C. J. STILL.

Pharmacy.—"In the written paper very few candidates failed to get pass marks. Two only had high marks. The work of the others was fair, but showed no outstanding quality. In the main, candidates showed a good knowledge of forensic pharmacy and their posology was good. The practical examination showed quite a good standard of dispensing, but calculations are still proving a difficulty."—J. N. PATTERSON.

Pharmacognosy.—"The general standard of the written paper was not high. Three returned very good papers. Sketches and diagrams were fair, but poorly annotated. In the practical work the recognition of crude drugs was on average, but the microscopical work was particularly well done."—J. N. PATTERSON.

MEDICAL ABSTRACTS

Penicillin for Infected Burns and Surface Wounds.—Bodenham ("Lancet," December 11, 1943, p. 725) finds that penicillin is more active than the sulphonamides in eliminating streptococci and staphylococci from burns and surface wounds. As an effective and economical means of applying penicillin he uses a cream base of Lanette wax and soft paraffin at a concentration of 100 Oxford units of penicillin per gram applied every twenty-four hours. In strengths up to 20 units per sq. cm., penicillin has no adverse effect on skin-grafts, and facilitates, in fact, the grafting of raw surfaces.

Formalin for Plantar Warts.—Success in the cure of plantar warts by means of formalin lotion (3 per cent. in water) is reported by Thomson ("British Journal of Dermatology and Syphilis," vol. 55, No. 11, p. 267). The lotion was poured into a saucer, so that the heel, or the anterior part of the foot, could rest in it without wetting the thinner skin on the top of the foot. The area was soaked for ten minutes each night. In most cases the pain disappeared after seven to ten days, and at the end of a period varying from three to eight weeks the warts showed as white macerated plugs embedded in the epithelium. They were scraped away by means of forceps, leaving soft epithelium in the depths of the crater. The application of formalin involves a real risk of

eczematization in all areas except the sole and palms, and the writer suggests that the use of the formalin solution should be restricted to them.

Pediculosis Capitis.—Remedies for this condition, though some are effective, have all to meet objections of greater or less weight. Only a lotion readily penetrates the entire hair and leaves residual material for prolonged action. The essentials of the ideal lotion are that it should rapidly kill both lice and eggs, should have no unpleasant properties, such as staining, odor, or greasiness, and should be cheap and lasting. Davis, in the "Journal of the American Medical Association" (123, 1825,) reports favourably on a lotion containing a monophenyl derivative of ethylene glycol, a compound known under the trade name of Phenylcellosolve, and made by the Carbon & Carbide Chemical Corporation, America. The formula of the lotion is: Phenylcellosolve 1, industrial methylated spirit 2, water 2. Methyl salicylate (5 per cent.) is added as a perfume to give a "clean" smell. The hair is thoroughly wetted with the lotion, care being taken to protect the eyes and mouth of children. Not a single louse was found in over 200 heads examined a week after treatment. The only irritation complained of by the persons undergoing treatment was a slight and brief tingling if the lotion was rubbed into the scalp.

TRADE REPORT

quotations for pharmaceutical chemicals, crude drugs and essential oils represent prices for wholesale quantities of standard quality. C.i.f. quotations do not include marine war risk insurance and other abnormal charges payable in the present emergency

28 Essex Street, W.C.2, February 2

ALTHOUGH business has been quiet on the whole during the past week, individual merchants report a routine trade in goods for immediate consumption. Prices of practically all items have tended to become stabilised at recently-recorded levels. There is little to comment on in the PHARMACEUTICAL CHEMICALS section, where business has again been on the quiet side, with prices for home makers' products well up to recent levels.

Crude Drugs

A review of these markets reveals only one or two commodities that show minor variations of price and, in general, conditions remain much about the same as previously reported. Some shipment offers are quoted of Curaçao ALOES at a price that compares favourably with that currently quoted for spot goods. No spot supplies of BALSAM TOLU are offered at present. Business in BENZOIN continues small. Limited supplies of CAMPHOR may still be obtained by approved buyers. Business in CAYENNE seems to be confined to sales of small lots at the controlled price, with most buyers asking more on account of higher cost. Some bulk spot parcels of NUXOMACIA are reported cleared. RHUBARB is quoted at recently-quoted figures. Available supplies of SARSAPARILLA are limited, but the price is unchanged. Indian CORIANDER is dearer. TRAGACANTH remains in request. WAXES are unchanged.

Essential Oils

Reports indicate that there has been little change in price in ESSENTIAL and EXPRESSED OILS during the week, and values show practically no changes. ANISE (STAR) has been in good inquiry, but prices mentioned for available small lots are not attractive to buyers. Only restricted supplies of CAMPHOR are offering at present. English makers' prices for genuine B.P. CLOVE are unchanged. EUCALYPTUS continues in short supply at unaltered rates. As noted last week, English-distilled NUTMEG is slightly dearer. A few odd lots of Chinese PEPPER have been offered at high prices. No new lots have been notified in the price of distilled essential oils. Business in SYNTETICS and ISOLATES continues to be

restricted on account of the tightness of the supply position. Quoted prices, however, are unchanged on the week.

Exchange Rates on London

During January no alterations occurred in the foreign exchange rates on London. Bank of England fixed rates include: New York, 4.03 dollars; Montreal, 4.45 dollars; Dutch West Indies, 7.60 florins; Lisbon, 100 escudos; Stockholm, 16.90 kroner. The Spanish rate is steady at 44 pesetas and the Chinese National dollar is unchanged at 3 $\frac{1}{16}$ d.

Pharmaceutical Chemicals

ACETANILIDE.—Crystals may be obtained at 2s. 5d. per lb., and powder at 2s. 6d.

BENZYL BENZOATE.—Price is 4s. to 4s. 6d. per lb., according to quantity, for medical purposes.

BORIC ACID.—Makers' quotations are unchanged: B.P. granulated, £60 15s. per ton; crystal, £61 15s.; powder, £62 15s. Packed in one-cwt. bags, delivered carriage paid in Great Britain, in one-ton lots and upwards. Commercial grades, £8 per ton less.

GALLIC ACID.—Quoted at 10s. 6d. to 11s. per lb., according to quantity.

HEXAMINE.—Free-running crystals are quoted at around 2s. 6d. per lb.

MAGNESIUM CARBONATE, HEAVY.—Makers quote for the home trade the following prices per lb. in quantities of 28 lb.—1 cwt. (containers in brackets): 1s. 6 $\frac{1}{2}$ d. (1-lb.); 1s. 5d. (4-lb.); 1s. 4d. (7-lb.); 1s. 3 $\frac{1}{2}$ d. (14-lb.); 1s. 3d. (28-lb.). Prices net one month.

MERCURY IODIDES.—The following are makers' prices per lb.; RED, less than 7 lb., 20s. 8d.; not less than 7 lb., 20s. 2d.; not less than 14 lb., 19s. 8d. GREEN, less than 7 lb., 28s. 8d.; not less than 7 lb., 26s. 2d.; not less than 14 lb., 25s. 8d. YELLOW, less than 7 lb., 28s. 1d.; not less than 7 lb., 27s. 7d.; not less than 14 lb., 27s. 1d. net, carriage paid.

POTASSIUM PERMANGANATE.—Makers quote B.P. quality at 1s. 10d. per lb.

PYROGALLIC ACID.—As noted last week (p. 129) prices have been advanced owing to a further increase in the cost of raw material.

SODIUM BENZOATE.—Steady at 2s. 9d. to 3s. per lb., according to quantity.

SULPHANILAMIDE.—Current prices range from 10s. 6d. to 12s. 6d. per lb., according to quantity.

TANNIC ACID (levis ex ether, B.P.).—Quoted at 10s. 6d. to 11s. per lb., according to quantity.

VANILLIN.—Current rates per lb. are as follows: 5 cwt., 21s. per lb.; 1 cwt., 21s. 3d.; 56 lb., 21s. 6d.; less than 56 lb., 21s. 9d.

Crude Drugs

AGAR.—Maximum controlled price for agar and similar specified substances is 30s. per lb. For details of Order, see *C. & D.*, January 8, p. 49.

ALOES.—Some shipment offers are reported of Curaçao at 50 cents per lb., c.i.f. Cape is unobtainable on spot at present.

ANTIMONY.—Prices are unchanged. English minimum 99 per cent. regulus, £120 per ton, delivered, with supplies reserved for essential requirements; 70 per cent. crude, for the home trade, £100 per ton delivered.

ARECA NUTS.—Obtainable on spot at 115s. per cwt.

BALSAMS.—No spot supplies of *Tolu* are offered; *Peru*, 8s. 3d. per lb.; *Canada*, 10s. 6d.; *Copaiba*, unobtainable.

BELLADONNA.—Indian leaf may be obtained on spot at from 5s. 3d. to 5s. 6d. per lb., and Indian root at from 4s. to 4s. 6d. per lb., both according to test.

BENZOIN.—Limited business in Sumatra block at £25 per cwt. for pharmaceutical use. Free "almonds," £35.

BUCHU.—No change in the position as previously outlined.

CAMPHOR.—Approved buyers may obtain small supplies of Chinese crude at 10s. per lb., and similar quantities of B.P. at 11s. 6d.

CARDAMOMS.—This item continues to be neglected and without alteration in price. Spot, Aleppy greens, 5s. 6d. per lb.; Aleppy seed, 6s. 6d.; split seed, 5s. 6d.

CHAULMOOGRA.—*Hydnocarpus*, spot, tins in cases, 1s. 6d. per lb.

CHILLIES.—No change in the position as previously outlined, with Mombasa at 120s. per cwt. the only variety offered.

CLOVES.—No change in the spot quotation for Zanzibar at 1s. 5½d. per lb.; second-quality, to arrive, 10d. per lb., c.i.f., sellers.

COCHINEAL.—Blacks may be obtained for medicinal use at 4s. 6d. per lb., spot.

COCOA BUTTER.—Officially priced at 1s. 5½d. per lb., ex factory or warehouse, except for sales made under licence.

COCONUT (DESICATED).—Price is fixed by Ministry of Food Order at 49s. per cwt.

COLOCYNTH.—Fine white pulp continues to be offered on spot at 3s. 3d. per lb., duty paid.

DIGITALIS LEAVES.—English-grown leaf is quoted at 2s. 6d. per lb., and Portuguese at 135s. per cwt.

DRAGON'S BLOOD.—The only variety available at present is dull Zanzibar drop at £21 per cwt., spot.

ERGOT.—Spot price is from 5s. 6d. to 6s. per lb., although little appears to be left at the former figure; shipment, 4s. 9d. per lb., c.i.f., buyers' licence.

GALANGAL ROOT.—Quoted at 110s. per cwt., in bond Liverpool.

GUM ACACIA.—Kordofan cleaned sorts, 82s. 6d. per cwt.; bleached, shipment, 14s. c.i.f.; Talha, cleaned, 50s. per cwt., landed.

IPECACUANHA.—No spot supplies are available at present. Current prices of EXT. IPEC. 110g. are as follows: Winchester, B.P., 1s. under three, 32s. 6d. per lb.; three and under six, 32s.; six and under twelve, 31s. 6d.; twelve and over, 31s.; B.P., 1914, under three, 30s. 6d.; three and under six, 30s.; six and under twelve, 29s. 6d.; twelve and over, 29s. 6d.; all prices quoted are on a net basis.

JALAP.—Brazilian remains in extremely short supply, but small quantities of 13 per cwt. may be available in second hands at from 1 to 200s. per cwt., according to seller.

LIQUORICE ROOT.—Approved buyers obtain Russian root for pharmaceutical purposes at 75s. per cwt.; cut Russian root, non-pharmaceutical use, 96s. 6d. per cwt.; single-peeled Syrian may be had at 110s. cwt., subject to D.M.S. approval.

MENTHOL.—While there appear to be small odd lots of natural available at 95s. per cwt., most holders are asking more owing to high cost of material.

MERCURY.—Official spot quotations range from £68 10s. to £69 15s. per flask, according to conditions and quantity, with higher prices for smaller lots and redistilled grades.

MYRRH.—Aden sorts remain at £20 per cwt. on spot.

NUTMEGS.—West Indian, spot, wormy, broken, 1s. 5d. per lb.; sound unassorted, 1s. 8d.

NUX VOMICA.—Some bulk spot parcels reported to have been cleared. Small supplies of Calcutta are offered at 40s. per cwt. For shipment, 31s. to 32s. per cwt., c.i.f.

ORANGE PEEL.—Spot supplies of Spanish bitter quarters may be obtained at 4s. 3d. per lb.

PEPPERS.—Maximum prices of whole, picked over or cleaned, on sale to processors are: 1s. 4d. per lb. for white, and 1s. per lb. for black, both duty paid.

PIMENTO.—Spot sellers at 1s. 8d. per cwt. shipment prices are not quoted.

QUILLAIA BARK.—Crushed or cut bark, 90s. per cwt.; natural, 70s.; afloat, 60s.

RHUBARB.—Spot supplies of rough-round are available on spot at 8s. to 8s. 3d. per lb.; high-dried, rough-coat, 8s. 3d. to 8s. Shensi pickings seem to have been cleared.

SARSAPARILLA.—Some native red is offered on spot at 4s. 3d. per lb., but supplies limited.

SEEDS.—With the exception of Indian CORIANDER, which is dearer, prices are unchanged. CORIANDER.—Indian, 90s. per cwt. CUMIN.—Maltese, spot, 120s.; Indian, 167s. 6d., ex wharf Glasgow; 167s. 6d., ex wharf London. FENNEL.—Nominal 87s. 6d. FENUGREEK.—May be had at 87s. 6d. MUSTARD.—Controlled prices are unchanged.

ANNA.—Quiet and without price change. Andrian medium pods are at 3s. 9d. to 4s. lb.; Tinnevely, manufacturing grade, 6d. lb.; hand-picked, rod. to 1s. 6d.; broken Andrian leaves, 1s. 3d. to 1s. 4d.; sittings, 1d.; Tinnevely, No. 1, 9d. to 10½d.; No. 2, 7½d.; No. 3, 5½d. to 6d.

WILL.—Portuguese, spot, steady at 8os. wt.; Indian, 72s. 6d.

AGACANTH.—The principal medium grades quoted as follows: No. 1, white, £130 per ton; No. 2, white, £115; No. 3, white, £100; 4, white, £85; pale leaf, £60; amber leaf, dark amber, £40; brown leaf, £30; red-brown leaf, £25; red leaf, from £20; hoggy, £12 to £15.

RMERIC.—Business is of no importance; unchanged. Madras finger, soundly, spot, 5os. per cwt.; wormy, 47s. 6d.

LERIAN ROOT.—Indian root is quoted on at 10os. per cwt., ex store.

AXES.—BEES'.—Supplies may be obtained through members of the Association of Ant Distributors of Beeswax; official prices are as follows: crude, 26os. to 29os. per refined, 315s. to 355s.; bleached, 34os. 2os.; Calcutta crude, 25os. to 27os.; Cal- bleached, 325s. to 335s. CARNAUBA.—Grey, 415s. per cwt., ex store, in minimum bag lots; Primeira, 335s. per cwt., ex store, stocks scarce; medium yellow, 52os. per cwt. CANDELILLA.—As noted recently, prices have been reduced as follows: Under 1 ton, per cwt.; 1-5 tons, 232s. 6d.; 5 tons and 23os., ex store; forward shipment, 225s. wt., c.i.f.

Essential and Expressed Oils

SE (STAR).—Remains in good demand, supplies are difficult to locate. Prices as 11os. per lb. are mentioned.

Y.—Any available spot supplies would be about 12s. 6d. per lb.

LS DE ROSE.—Spot, if available, would around 47s. per lb.

UPUT.—Spot supplies are restricted; approximately 15s. per lb.

VE.—English distillers' prices are un- changed. Genuine B.P. oil, 11s. 6d. to 12s. per lb., according to quantity.

CONUT.—Bulk supplies of refined deodor- ized are officially quoted at £49 per ton, and refined hardened deodorised at £53, both naked ex eks.

TONSEED.—Bulk supplies are officially iced as follows: Refined edible, £57 per ton; refined deodorised, £58 per ton; both naked ex eks.

ANAMON.—Any available supplies of leaf ily would be worth approximately 15s. 6d. per lb.

EALYPTUS.—In restricted supply; spot, 15 per cent., about 6s. to 6s. 3d. per lb.

GANIUM.—North African oil as quoted on 200 from 85s. to 9os. per lb., according to uality.

GROUNDNUT.—Controlled prices for bulk supplies are as follows: Refined deodorised, £58 per ton; refined hardened deodorised, to 40°, £62; refined hardened deodorised, to 50° to 52°, £62; all naked ex works.

LINSEED.—Controlled price for bulk supplies is unchanged at £60 per ton, naked ex works.

NUTMEG.—As noted last week, English-distilled is slightly easier at 4os. per lb., with lower rates for quantities.

PEPPERMINT.—Odd cases of Chinese oil have been quoted at up to 13os. per lb.

PETITGRAIN.—About 25s. per lb. would be wanted for any available spot supplies.

RAPESEED.—Bulk supplies are priced at £70 per ton, ex works.

ROSEMARY.—Spot, if available, would be worth about 16s. per lb.

Controlled Essential Oils.—The following is the current schedule of prices for controlled essential oils. Prices are per lb., for oils delivered to consumer in original packages.

Lemon, cold-pressed	18s. 10½d.
Lemon, distilled	14s. 4d.
Peppermint	36s. 4d.
Grapefruit	18s. 2d. (incl. duty)
Sassafras	11s. 3½d. (plus 1s. duty)
Caraway	20s. 4½d. (plus 1s. 10d. duty)
Wormseed	5s. (plus purchase tax where payable)
Cedarwood	3s. 1d. (plus 3d. duty)
Nutmeg	22s. 3d. (plus 2s. duty)
Fennel	11s. 3½d. (plus 1s. duty)
Coriander, Russian	127s. (plus 11s. 6d. duty)
Geranium, Bourbon	25s.
„ (Ministry oil)	24s. 6d.
Orange oil, Jamaica	23s. 6d.
Vetivert	37s. 7d. (plus 3s. 5d. duty)

Synthetics and Isolates.—Supplies of many of these products remain short and are not necessarily available because prices are quoted. In some cases all available stocks are required for essential purposes. AMYL ACETATE.—Pure, about 13os. per cwt.; technical, 109s. per cwt.; small quantities would be worth up to about 2s. per lb. AMYL SALICYLATE.—About 5s. per lb. BROMSTYROL.—100 per cent., about 3os. per lb. BUTYRIC ACID.—Now being manufactured in England; price about 7s. per lb.; esters from British-made butyric acid are also available. CINNAMIC ALDEHYDE.—Quoted at around 9s. per lb. CITRAL.—Chemically pure, about 55s. per lb. CITRONELLAL and CITRONELLOL.—Both nominal at 6os. to 7os. per lb. COUMARIN.—Quoted at approximately 17s. 6d. per lb. ETHYL PHTHALATE is not quoted. EUCALYPTOL.—About 13s. per lb. EUGENOL.—Around 23s. 6d. per lb. GERANIOL.—Dearer at about 8os. per lb., ex palmarosa oil. GERANYL ACETATE.—Approximately 85s. per lb. IONONE.—100 per cent., around 75s. per lb. ISO-EUGENOL.—About 25s. 6d. per lb. RHODINOL.—From African geranium oil, about 15os. per lb.

TRADE MARKS

(From "The Trade Marks Journal," January 12)

"SOLEIL D'OR"; for non-medicated toilet preparations (3). By Coty (England), Ltd., 3 Stratford Place, London, W.1. 624,292.

"STERAFOOT"; for pharmaceutical preparations for the feet (5). By W. R. Williams-Crowe, White Ben, South Road, Chorley Wood, Herts. 623,585.

"TALPINE"; for disinfectants, weed killers and vermin destroyers, all containing pine extract (5). By C. J. Taylor, Collier Lane Works, Collier Lane, Carlisle. 624,494.

"VITOCAL"; for preparations of calcium compounds for treatment of chilblains, etc. (5). By The Dubarry Perfumery Co., Ltd., Goldstone Laboratories, Hove Park Villas, Hove, Sussex. 624,674.

"AERIS"; for inhalants (5). "SILBAMIDE"; for pharmaceutical preparations and substances containing amides (5). By Silten, Ltd., 14 Weedington Road, London, N.W.5. 624,843; 625,056 (both Associated).

"VERAX"; for pharmaceutical preparations for use by rubbing, and for cough mixture (5). By May, Roberts & Co., Ltd., 47 Stamford Hill, London, N.16. 624,859.

"CALOPIN"; for pharmaceutical preparations (5). "AMENOSAN"; for pharmaceutical preparations for menstrual disorders (5). By Shadforth Prescription Service, Ltd., 63 Grove Road, Bow, London, E.3. 624,947; 625,051.

"NOMOFAS" and "NOMOGER"; for insect-destroying preparations, disinfectants, deodorants and germicides (5). By Lewis (Import & Export), Ltd., 38 Great Portland Street, London, W.1. 625,447-48 (Associated).

"BANDRA"; for plasters for medical and surgical purposes (5). By Bottle Patents, Ltd., 39-40 Albemarle Street, London, W.1. 625,542.

"LUCKISTAR"; for pharmaceutical goods for human and veterinary use, sanitary preparations, disinfectants, and weed and vermin destroyers (5). By London Soap & Chemical Co., Ltd., 30-31 Richardson Street, London, S.E.1. 625,850 (Associated).

"CHELCIDE" and "PURICIDE"; for insecticides (5). By Chelsea Insecticides, Ltd., 125 Pall Mall, London, S.W.1. 626,249-50.

APPLICATION AMENDMENT

According to "The Trade Marks Journal," January 12, 1944, specification No. 624,199, by Therapeutic Research Corporation of Great Britain, Ltd., has been altered so as to read "Pharmaceutical preparations and substances (none being petroleum derivatives) for human and veterinary use."

(From "The Trade Marks Journal," January 19)

"CUTONA"; for non-medicated toilet and cosmetic preparations, all for application to the skin (3). "STONEBOW"; for medicinal and medicated tonic preparations (5). By G. H. Rock, 125 Huddersfield Road, Barnsley, Yorks. 624,498-607.

COMING EVENTS

Sunday, February 6

MANCHESTER PHARMACEUTICAL ASSOCIATION Ramble to Wernelk Low and Marple. Meet London Road Station at 9.30 a.m. Boo Marple return.

Tuesday, February 8

MANCHESTER PHARMACEUTICAL ASSOCIATION and Branch of the Pharmaceutical Society Onward Hall, 207 Deansgate, at 7.45 p.m. Mr. E. Lomax on "Cui Bono? Can the Private Pharmacist Decide the Issue? 1. His Problem 2. His Profits. 3. His Power." Mr. M. Freeman on "A Pharmacist's Experience in the Army."

Wednesday, February 9

GLASGOW AND SOUTH-WESTERN SCOTTISH BRANCH, PHARMACEUTICAL SOCIETY, Highlanders' Institute, 27 Elmbank Street, Glasgow, at 7.30 p.m. Questions and answers on pharmaceutical affairs.

SOUTHAMPTON BRANCH, NATIONAL PHARMACEUTICAL UNION, Polygon Hotel, Southampton, at 3 p.m. Mr. W. W. Atkinson, member of the Executive) on "The N.P.U.—Its Work Today and Its Plan for Tomorrow."

NUTRITION PANEL OF FOOD GROUP, Society of Chemical Industry, Burlington House, Piccadilly, London, W.1., at 2.30 p.m. Mr. F. A. Robinson, M.Sc., F.I.C., on "The Vitamin B₂ Complex: Some Recently Characterised Components."

Thursday, February 10

PHARMACEUTICAL SOCIETY OF GREAT BRITAIN 17 Bloomsbury Square, London, W.C.1., at 7 p.m. Mr. Arthur James Ewins, D.S.F.R.S., on "Progress and Problems of Chemotherapy" (Harrison Memorial lecture).

SHEFFIELD BRANCH, NATIONAL PHARMACEUTICAL UNION, Grand Hotel, Sheffield, at 3 p.m. Mr. E. A. Brocklehurst (a member of the Executive) on "The N.P.U.—Its Work Today and Its Plan for Tomorrow."

Friday, February 11

CHEMICAL SOCIETY, Medical chemistry department, The University, Teviot Place, Edinburgh, at 7.30 p.m. Professor G. M. Bennett on "Molecular Regimentation in Solid and Liquid."

CHEMICAL SOCIETY, Chemistry lecture theatre, University College, Bangor, at 5.30 p.m. Professor C. K. Ingold, F.R.S., on "Substitution."

CHEMICAL SOCIETY, Chemistry lecture theatre, Sheffield University, at 5.30 p.m. Mr. Ellingworth on the "Synthesis of Chemotherapeutic Agents."

Saturday, February 12

CHEMICAL SOCIETY, University College, Cathays Park, South Wales, at 3.30 p.m. Dr. H. Watson on "The Study of Reaction Mechanism."

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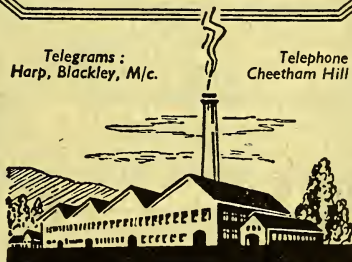
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	1 " 1/9 Pineate Honey Cough-Syrup	...	13	9
	1 " 2/3 Limestone Phosphate	...	18	0
	1 " 1/5 Freezone Corn Remover	...	11	3
			£5	15
	Purchase Tax on all goods and on bonus	...	1	1
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B	3 doz. 1/5 Bismag Powder	...	1	16
	1 " 2/10 " Tablets	...	1	4
			£3	0
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			£3	11

C	3 doz. 1/5 Bismag Tablets	...	1	16
	1 " 2/10 " Tablets	...	1	4
			£3	0
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D	1 doz. 1/5 Bismag Powder	...	12	0
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	2 " 2/10 " Tablets	...	12	0
	2 " 1/5 " Tablets	...	1	4
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			£3	0
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F	1 doz. 2/10 Bismag Powder	...	1	4
	1½ " 2/10 " Tablets	...	1	16
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H	1½ doz. 1/5 Bismag Powder	...	18	0
	3 " 1/5 " Tablets	...	1	16
			£2	14
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J	2 doz. 1/5 Freezone Corn Remover	...	1	2
	1 " 2/3 Limestone Phosphate	...	18	0
	1 " 1/9 Pineate Honey Cough-Syrup	...	13	9
			£2	14
	Purchase Tax	...	9	0
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K	4 doz. 1/9 Pineate Honey Cough-Syrup	...	2	15
			9	2
	Purchase Tax	...	£3	4

L	6 doz. 1/5 Freezone Corn Remover	...	3	7
			11	3
	Purchase Tax	...	£3	18

N	2 doz. 1/5 Freezone Corn Remover	...	1	2
	2 " 1/9 Pineate Honey Cough-Syrup	...	1	7
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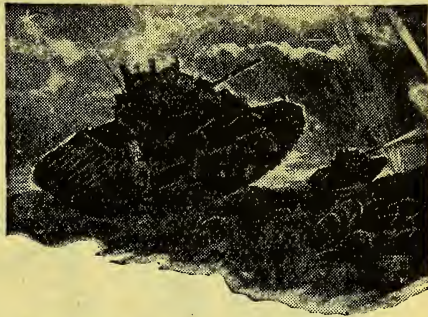
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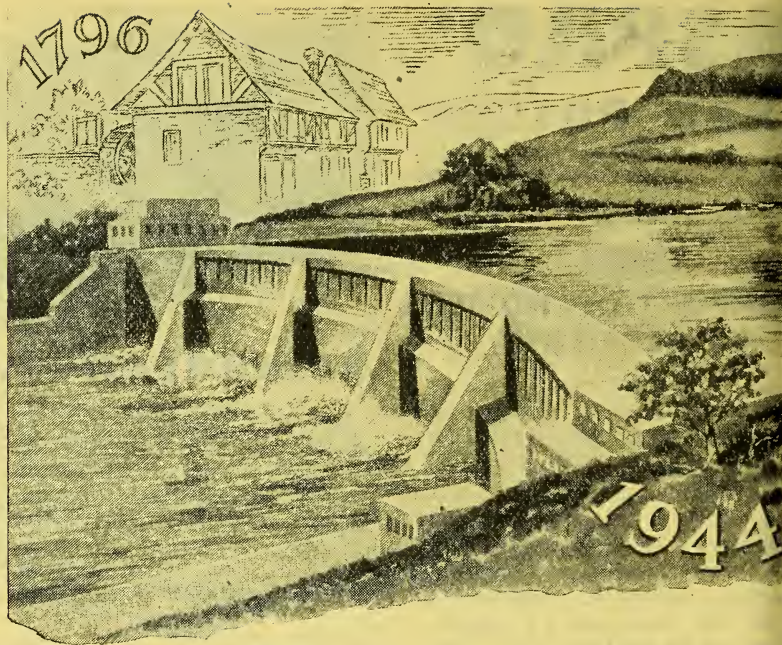
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We urgently need several secondhand rotary single or multiple punch tablet machines and a granulating machine. (Manesty preferred); also mechanical mortar. Highest cash prices paid for sound machines collected from any part of country. Full particulars to: **J. W. Simpson (Chemist), Ltd., 43 Museum Street, London, W.C.1. CHAncery 6101.**

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With certain exceptions, women over 18 and under 41 years of age seeking Employment and Employers seeking to engage such women are now required to do so only through the local office of the Ministry of Labour and National Service or an approved employment agency.

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BRISTOL. Pharmacist either sex, locum or permanent. Middle-class business. Hours, 9 a.m. to 6 p.m. No Sunday or half-day duty. Approved vacancy (C.P.W.C.). Please state salary required, and when free. CDB/249, London Office of this Paper.

CHEMIST wanted; must be fully qualified to take sole charge of shop in Birmingham; good salary and commission; first-class references essential. Give full details of qualifications and previous employment to Box 740, Mundy, Gilbert & Troman, Advertising Offices, Birmingham, 2.

HEPPELS (1932), LTD., require Manager for high-class West End Pharmacy, also Qualified Lady Dispenser. Apply to Superintendent, 70 Vauxhall Bridge Road, S.W.1.

LONDON CO-OPERATIVE CHEMISTS, LTD., invite applications from Qualified Pharmacists for progressive positions with post-war prospects in the London Suburban area. Applications stating full details and experience should be submitted to Chief Pharmacist, 54 Maryland Street, Stratford, London, E.15.

MR. R. WOOLBY BROOKE requires an Assistant, preferably Qualified, lady or gentleman. Good experience essential. All details, please, to "B," 38 Gloucester Road, London, S.W.7.

ORRIDGE & CO., Employment Agency, Columbia House, Aldwych, London, W.C.2, invite inquiries from all employers seeking Qualified staff, especially for London and Southern Counties, excluding women between the ages of 18 and 41. Terms on application.

PHARMACY. The Royal Arsenal Co-operative Society, Ltd., has a vacancy for a Qualified Relief Manager. Progressive position. Apply in writing, stating age, experience, salary required, and position under the National Service or Registration for Employment Order Acts to the Staff Manager, Royal Arsenal Co-operative Society, Ltd., 113 Powis Street, Woolwich, S.E.18. Endorse envelope "Pharmacy."

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SITUATIONS WANTED

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APPOINTMENTS

OVERSEAS EMPLOYMENT

PHARMACIST required for the Government of Northern Rhodesia, Health Department, for one tour of 2 to 3 years, with possibility of pensionable employment. Salary: £390-£418-£480-£600 a year plus cost of living allowance. Free passages and quarters. Candidates must be members of the Pharmaceutical Society of Great Britain.

Written applications (no interviews), giving details of age, National and Armed Forces Registration numbers, training, experience, and name of present employers, should be sent to The Secretary, Overseas Manpower Committee (Ref. 1252), Ministry of Labour and National Service, Alexandra House, Kingsway, London, W.C.2.

PHARMACIST (male or female) required for the duration of the War, for Emergency Medical Service Hospital. Applicants must not be liable for Service with the Forces. Commencing salary, £275 per annum. Four other Pharmacists employed. Apply stating age, qualifications and full particulars of experience to the Medical Director, Hill End Emergency Hospital, St. Albans.

CITY OF MANCHESTER

WITHINGTON HOSPITAL (1,150 BEDS)
APPOINTMENT OF FIRST ASSISTANT
PHARMACIST (TEMPORARY)

Applications are invited for the post of temporary First Assistant Pharmacist (non-resident) at the Withington Hospital (adult general), West Didsbury, Manchester, 20. The post is on the permanent assignment of staff but it will be of a temporary character during the War, subject to review thereafter.

Candidates must possess a qualification granted by or recognised by the Pharmaceutical Society of Great Britain.

Basic annual salary scale commences at £360 per annum, rising to a maximum of £380 per annum plus a cost of living wages addition amounting to £45 10s. per annum in respect of a male officer, and £36 8s. per annum in respect of a female officer. The post is subject to the Manchester Corporation conditions of service.

Applications stating fully the age, qualifications and experience of the candidate, with copies of not more than three recent testimonials are to be addressed to the Medical Superintendent at the Withington Hospital as soon as possible.

Canvassing in any form is prohibited.

R. H. ADCOCK,
Town Clerk.

Town Hall,
Manchester, 2,
January 26, 1944.

SURREY COUNTY COUNCIL

PHARMACIST at Epsom County Hospital, Dorking, Epsom. Candidates must be M.P.S. or Ph.C. Commencing salary according to experience on grade £275 x £10-£325 p.a., plus war bonus 14s. p.w. Apply to Medical Superintendent.

WANTED

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WANTED for Spot Cash. National, Remington and Gledhill Cash Registers, all sizes, age immaterial; any quantity entertained. Amalgamated Business Machines, Ltd., 64 Mortimer Street, W.1. 'Phone Museum 0941. Repairs, Sales, Exchanges.

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PATENTS

THE Proprietors of British patent No. 214,123 are prepared to license British manufacturers to work thereunder. It relates to Medicinal Capsules or Coated Pills. Address: Boulton, Wade & Tait, 112 Hatton Garden, London, E.C.1.

THE Proprietors of the Patent No. 514,241 for Deodorant Powder are desirous of entering into arrangements by way of license and other reasonable terms for the purpose of exploiting the same and ensuring its full development and production in this country. All communications should be addressed in the first instance to Haseltine & Co., 28 Southampton Buildings, Chancery Lane, London, W.C.2.

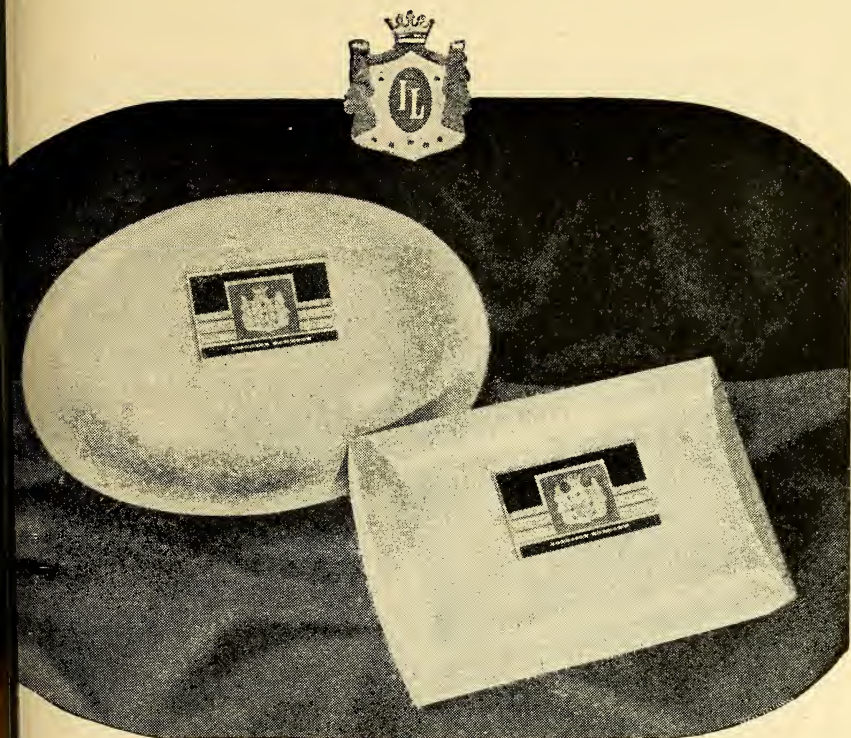
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SMALL Limited Company, registered for Patents, with available manufacturing or office space in London, would like to hear from manufacturers of Pharmaceutical and Chemical Products who may be interested. 557/905, London Office of this Paper.



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